GenCore version 5.1.7

OM protein - protein search, using sw model

Run on: April 18, 2006, 17:48:02 ; Search time 166 Seconds
(without alignments)
216.466 Million cell updates/sec

Title: US-10-027-603-2_COPY_20_105
Perfect score: 86
Sequence: 1 AVITGACERDVQCGAGTCCA.....CSRFPDGRYRCSMDLKNINF 86

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1867569 seqs, 417829326 residues

Word size : 1

Total number of hits satisfying chosen parameters: 1866650

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database : Published_Applications_AA_Main:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	86	100.0	86	4	US-10-016-481-3	Sequence 3, Appli
2	86	100.0	86	4	US-10-323-157-3	Sequence 3, Appli
3	86	100.0	86	4	US-10-417-426-9	Sequence 9, Appli
4	86	100.0	86	4	US-10-333-192-21	Sequence 21, Appl
5	86	100.0	86	5	US-10-680-554-5	Sequence 5, Appli
6	86	100.0	86	5	US-10-713-567-3	Sequence 3, Appli
7	86	100.0	86	5	US-10-811-328-3	Sequence 3, Appli
8	86	100.0	86	5	US-10-912-907-3	Sequence 3, Appli
9	86	100.0	86	5	US-10-415-724-3	Sequence 3, Appli
10	86	100.0	86	5	US-10-871-152-22	Sequence 22, Appl
11	86	100.0	86	5	US-10-503-554A-82	Sequence 82, Appl
12	86	100.0	86	5	US-10-343-095A-117	Sequence 117, App
13	86	100.0	87	4	US-10-016-481-18	Sequence 18, Appl
14	86	100.0	87	4	US-10-323-157-18	Sequence 18, Appl
15	86	100.0	87	5	US-10-713-567-18	Sequence 18, Appl
16	86	100.0	87	5	US-10-811-328-18	Sequence 18, Appl
17	86	100.0	87	5	US-10-912-907-18	Sequence 18, Appl
18	86	100.0	87	5	US-10-415-724-18	Sequence 18, Appl
19	86	100.0	89	4	US-10-016-481-15	Sequence 15, Appl
20	86	100.0	89	4	US-10-323-157-15	Sequence 15, Appl
21	86	100.0	89	5	US-10-713-567-15	Sequence 15, Appl
22	86	100.0	89	5	US-10-811-328-15	Sequence 15, Appl
23	86	100.0	89	5	US-10-912-907-15	Sequence 15, Appl
24	86	100.0	89	5	US-10-415-724-15	Sequence 15, Appl
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39	86	100.0	105	3	US-09-989-293A-371	Sequence 371, App
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132	86	100.0	105	4	US-10-216-159A-166	Sequence 166, App
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245	86	100.0	105	4	US-10-219-481-166	Sequence 166, App
246	86	100.0	105	4	US-10-230-260-166	Sequence 166, App

247	86	100.0	105	4	US-10-232-231-166	Sequence 166, App
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262	86	100.0	105	4	US-10-219-468-166	Sequence 166, App
263	86	100.0	105	4	US-10-219-478-166	Sequence 166, App
264	86	100.0	105	4	US-10-219-536-166	Sequence 166, App
265	86	100.0	105	4	US-10-233-205-166	Sequence 166, App
266	86	100.0	105	4	US-10-121-042-470	Sequence 470, App
267	86	100.0	105	4	US-10-219-072-166	Sequence 166, App
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491	86	100.0	105	4	US-10-223-081-172	Sequence 172, App
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493	86	100.0	105	4	US-10-219-063-166	Sequence 166, App
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497	86	100.0	105	4	US-10-219-069-166	Sequence 166, App
498	86	100.0	105	4	US-10-219-073-166	Sequence 166, App
499	86	100.0	105	4	US-10-219-475-166	Sequence 166, App
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ALIGNMENTS

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RESULT 1
US-10-016-481-3
; Sequence 3, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/016,481
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-016-481-3

  Query Match             100.0%;  Score 86;  DB 4;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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RESULT 2
US-10-323-157-3
; Sequence 3, Application US/10323157
; Publication No. US20030113867A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/323,157
;  CURRENT FILING DATE:  2002-12-18
;  PRIOR APPLICATION NUMBER: US/10/016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-323-157-3

  Query Match            100.0%;  Score 86;  DB 4;  Length 86;
  Best Local Similarity  100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 3
US-10-417-426-9
; Sequence 9, Application US/10417426
; Publication No. US20030235535A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Bullock, Clayton M.
;  TITLE OF INVENTION: Screening and Therapeutic Methods For
;  TITLE OF INVENTION:  Treating Circadian Rhythm Disorders
;  FILE REFERENCE: P-UC 5773
;  CURRENT APPLICATION NUMBER: US/10/417,426
;  CURRENT FILING DATE:  2003-04-15
;  PRIOR APPLICATION NUMBER: US 60/372,836
;  PRIOR FILING DATE: 2002-04-15
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-417-426-9

  Query Match            100.0%;  Score 86;  DB 4;  Length 86;
  Best Local Similarity  100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 4
US-10-333-192-21
; Sequence 21, Application US/10333192
; Publication No. US20040077535A1
; GENERAL INFORMATION:
;  APPLICANT: OHTAKI, Tetsuya
;  APPLICANT:  MASUDA, Yasushi
;  APPLICANT:  TAKATSU, Yoshihiro
;  APPLICANT:  WATANABE, Takuya
;  APPLICANT:  TERAO, Yasuko
;  APPLICANT:  SHINTANI, Yasushi
;  APPLICANT:  HINUMA, Syuji
;  TITLE OF INVENTION: Novel Physiologically Active Peptide and Use Thereof
;  FILE REFERENCE: 2762US0P
;  CURRENT APPLICATION NUMBER: US/10/333,192
;  CURRENT FILING DATE:  2003-01-16
;  PRIOR APPLICATION NUMBER: JP 2000-217442
;  PRIOR FILING DATE: 2000-07-18
;  PRIOR APPLICATION NUMBER: JP 2001-26779
;  PRIOR FILING DATE: 2001-02-02
;  PRIOR APPLICATION NUMBER: PCT/JP01/06162
;  PRIOR FILING DATE: 2001-07-17
;  NUMBER OF SEQ ID NOS: 58
; SEQ ID NO 21
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Human
US-10-333-192-21

  Query Match            100.0%;  Score 86;  DB 4;  Length 86;
  Best Local Similarity  100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 5
US-10-680-554-5
; Sequence 5, Application US/10680554
; Publication No. US20040229291A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Cheng, Michelle Y.
;  TITLE OF INVENTION: Screening and Therapeutic Methods
;  TITLE OF INVENTION:  Relating to Neurogenesis
;  FILE REFERENCE: 66778-356
;  CURRENT APPLICATION NUMBER: US/10/680,554
;  CURRENT FILING DATE:  2003-10-03
;  PRIOR APPLICATION NUMBER: US 60/416,202
;  PRIOR FILING DATE: 2002-10-04
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-680-554-5

  Query Match            100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity  100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
```

```
Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 6
US-10-713-567-3
; Sequence 3, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehlert, Frederick J.
; TITLE OF INVENTION: Methods For Modulating Angiogenesis
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-359
; CURRENT APPLICATION NUMBER: US/10/713,567
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/426,203
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 10/ 016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-713-567-3

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 7
US-10-811-328-3
; Sequence 3, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-811-328-3

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 8
US-10-912-907-3
; Sequence 3, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehlert, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/912,907
; CURRENT FILING DATE: 2004-08-06
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-912-907-3

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 9
US-10-415-724-3
; Sequence 3, Application US/10415724
; Publication No. US20050074758A1
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: FP-UC 5030
; CURRENT APPLICATION NUMBER: US/10/415,724
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-415-724-3

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
```

```
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 10
US-10-871-152-22
; Sequence 22, Application US/10871152
; Publication No. US20050170455A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  TITLE OF INVENTION: Novel Prokineticin Receptor Isoforms and
;  TITLE OF INVENTION:  Methods of Use
;  FILE REFERENCE: 66778-369
;  CURRENT APPLICATION NUMBER: US/10/871,152
;  CURRENT FILING DATE:  2004-06-18
;  PRIOR APPLICATION NUMBER: 60/480,239
;  PRIOR FILING DATE: 2003-06-20
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-871-152-22

  Query Match            100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 11
US-10-503-554A-82
; Sequence 82, Application US/10503554A
; Publication No. US20050176632A1
; GENERAL INFORMATION:
;  APPLICANT: OHTAKI, TETSUYA
;  APPLICANT:  MASUDA, YASUSHI
;  APPLICANT:  TAKATSU, YOSHIHIRO
;  TITLE OF INVENTION: ANGIOGENESIS INHIBITORS
;  FILE REFERENCE: 61807 (46342)
;  CURRENT APPLICATION NUMBER: US/10/503,554A
;  CURRENT FILING DATE:  2004-08-04
;  PRIOR APPLICATION NUMBER: JP2002-27299
;  PRIOR FILING DATE: 2002-02-04
;  NUMBER OF SEQ ID NOS: 184
;  SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 82
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-503-554A-82

  Query Match            100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 12
US-10-343-095A-117
; Sequence 117, Application US/10343095A
; Publication No. US20050209447A1
; GENERAL INFORMATION:
;  APPLICANT: ITO, Takashi
;  APPLICANT:  TANAKA, Yoko
;  APPLICANT:  KONDO, Mitsuyo
;  TITLE OF INVENTION: Process for Producing Recombinant Protein
;  FILE REFERENCE: 2764US0P
;  CURRENT APPLICATION NUMBER: US/10/343,095A
;  CURRENT FILING DATE:  2003-01-24
;  PRIOR APPLICATION NUMBER: PCT/JP01/06392
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: JP 2000-229064
;  PRIOR FILING DATE: 2000-07-25
;  NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 117
;   LENGTH: 86
;   TYPE: PRT
;   ORGANISM: Human
US-10-343-095A-117

  Query Match            100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 13
US-10-016-481-18
; Sequence 18, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/016,481
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-016-481-18

  Query Match            100.0%;  Score 86;  DB 4;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 14
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```
US-10-323-157-18
; Sequence 18, Application US/10323157
; Publication No. US20030113867A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/323,157
;  CURRENT FILING DATE:  2002-12-18
;  PRIOR APPLICATION NUMBER: US/10/016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-323-157-18

  Query Match             100.0%;  Score 86;  DB 4;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 15
US-10-713-567-18
; Sequence 18, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick J.
;  TITLE OF INVENTION: Methods For Modulating Angiogenesis
;  TITLE OF INVENTION:  Using Prokineticin Receptor Antagonists
;  FILE REFERENCE: 66778-359
;  CURRENT APPLICATION NUMBER: US/10/713,567
;  CURRENT FILING DATE:  2003-11-13
;  PRIOR APPLICATION NUMBER: US 60/426,203
;  PRIOR FILING DATE: 2002-11-13
;  PRIOR APPLICATION NUMBER: US 10/ 016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: US 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-713-567-18

  Query Match             100.0%;  Score 86;  DB 5;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 16
US-10-811-328-18
; Sequence 18, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  TITLE OF INVENTION: Methods For Modulating Gastric Secretion
;  TITLE OF INVENTION:  Using Prokineticin Receptor Antagonists
;  FILE REFERENCE: 66778-365
;  CURRENT APPLICATION NUMBER: US/10/811,328
;  CURRENT FILING DATE:  2004-03-25
;  PRIOR APPLICATION NUMBER: 60/457,891
;  PRIOR FILING DATE: 2003-03-25
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-811-328-18

  Query Match             100.0%;  Score 86;  DB 5;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 17
US-10-912-907-18
; Sequence 18, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/912,907
;  CURRENT FILING DATE:  2004-08-06
;  PRIOR APPLICATION NUMBER: US/10/016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-912-907-18

  Query Match             100.0%;  Score 86;  DB 5;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
```

```
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 18
US-10-415-724-18
; Sequence 18, Application US/10415724
; Publication No. US20050074758A1
; GENERAL INFORMATION:
;  APPLICANT: The Regents of the University of California
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: FP-UC 5030
;  CURRENT APPLICATION NUMBER: US/10/415,724
;  CURRENT FILING DATE:  2003-05-02
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 87
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-415-724-18

  Query Match             100.0%;  Score 86;  DB 5;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 19
US-10-016-481-15
; Sequence 15, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/016,481
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 89
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-016-481-15

  Query Match             100.0%;  Score 86;  DB 4;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89


RESULT 20
US-10-323-157-15
; Sequence 15, Application US/10323157
; Publication No. US20030113867A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/323,157
;  CURRENT FILING DATE:  2002-12-18
;  PRIOR APPLICATION NUMBER: US/10/016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 89
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-10-323-157-15

  Query Match             100.0%;  Score 86;  DB 4;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89


RESULT 21
US-10-713-567-15
; Sequence 15, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick J.
;  TITLE OF INVENTION: Methods For Modulating Angiogenesis
;  TITLE OF INVENTION:  Using Prokineticin Receptor Antagonists
;  FILE REFERENCE: 66778-359
;  CURRENT APPLICATION NUMBER: US/10/713,567
;  CURRENT FILING DATE:  2003-11-13
;  PRIOR APPLICATION NUMBER: US 60/426,203
;  PRIOR FILING DATE: 2002-11-13
;  PRIOR APPLICATION NUMBER: US 10/ 016,481
;  PRIOR FILING DATE: 2001-11-01
;  PRIOR APPLICATION NUMBER: US 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 89
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
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US-10-713-567-15

Query Match 100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89
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RESULT 22
US-10-811-328-15
; Sequence 15, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-811-328-15

Query Match 100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89
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RESULT 23
US-10-912-907-15
; Sequence 15, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehlert, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/912,907
; CURRENT FILING DATE: 2004-08-06
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-912-907-15

Query Match 100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89
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RESULT 24
US-10-415-724-15
; Sequence 15, Application US/10415724
; Publication No. US20050074758A1
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: FP-UC 5030
; CURRENT APPLICATION NUMBER: US/10/415,724
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-415-724-15

Query Match 100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89
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RESULT 25
US-09-989-722-371
; Sequence 371, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.

; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 26
US-09-989-723-371
; Sequence 371, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-04-28
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; PRIOR FILING DATE: 1998-06-05
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; PRIOR APPLICATION NUMBER: 60/088655
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR APPLICATION NUMBER: 60/088824
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; PRIOR FILING DATE: 1998-06-16
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; PRIOR FILING DATE: 1998-06-17
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
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; PRIOR APPLICATION NUMBER: 60/090431
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 27
US-09-989-279-371
; Sequence 371, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 28
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; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 29
US-09-989-731-371
; Sequence 371, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
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; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C70

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;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
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;  APPLICANT:  Tumas, Daniel
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;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
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;  TITLE OF INVENTION:  Acids Encoding the Same
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  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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RESULT 32
US-09-990-442-371
; Sequence 371, Application US/09990442
; Patent No. US20020132252A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C8
;  CURRENT APPLICATION NUMBER: US/09/990,442
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 33
US-09-991-163-371
; Sequence 371, Application US/09991163
; Patent No. US20020132253A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
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; APPLICANT: Kljavin,Ivar J.
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; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C17
; CURRENT APPLICATION NUMBER: US/09/991,163
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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;  PRIOR FILING DATE: 1998-07-09

  Query Match            100.0%;  Score 86;  DB 3;  Length 105;
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  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 34
US-09-993-604-371
; Sequence 371, Application US/09993604
; Patent No. US20020137075A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
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;  APPLICANT:  Wood, William I.
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;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C25
;  CURRENT APPLICATION NUMBER: US/09/993,604
;  CURRENT FILING DATE:  2001-11-14
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Query Match 100.0%; Score 86; DB 3; Length 105;
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Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
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; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C22
; CURRENT APPLICATION NUMBER: US/09/990,456
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;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
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;  TITLE OF INVENTION:  Acids Encoding the Same
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;  PRIOR FILING DATE: 1998-07-09

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 37
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; Sequence 371, Application US/09992598
; Patent No. US20020160384A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C20
;  CURRENT APPLICATION NUMBER: US/09/992,598
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
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;  PRIOR FILING DATE: 1997-11-13
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;  PRIOR FILING DATE: 1997-11-24
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;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
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;  PRIOR FILING DATE: 1998-06-02
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 38
US-09-886-242A-2
; Sequence 2, Application US/09886242A
; Patent No. US20020172678A1
; GENERAL INFORMATION:
;  APPLICANT: Ferrara, Napoleone
;  APPLICANT:  Watanabe, Colin
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES
;  TITLE OF INVENTION:  AND METHODS OF USE
;  FILE REFERENCE: GENENT.1516A
;  CURRENT APPLICATION NUMBER: US/09/886,242A
;  CURRENT FILING DATE:  2001-06-20
;  PRIOR APPLICATION NUMBER: US 60/230,978
;  PRIOR FILING DATE: 2000-09-07
;  PRIOR APPLICATION NUMBER: US 60/213,637
;  PRIOR FILING DATE: 2000-06-23
;  PRIOR APPLICATION NUMBER: US 60/145,698
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;  PRIOR APPLICATION NUMBER: US 60/096,146
;  PRIOR FILING DATE: 1998-08-11
;  PRIOR APPLICATION NUMBER: PCT/US00/32678
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;  PRIOR APPLICATION NUMBER: PCT/US00/08439
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;  PRIOR APPLICATION NUMBER: PCT/US00/04914
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: PCT/US00/00219
;  PRIOR FILING DATE: 2000-01-05
;  PRIOR APPLICATION NUMBER: PCT/US99/12252
;  PRIOR FILING DATE: 1999-06-02
;  PRIOR APPLICATION NUMBER: US 09/709,238
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;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 18
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US-09-886-242A-2

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  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 39
US-09-989-293A-371
; Sequence 371, Application US/09989293A
; Patent No. US20020177164A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C66
;  CURRENT APPLICATION NUMBER: US/09/989,293A
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 40
US-09-965-528-11
; Sequence 11, Application US/09965528
; Publication No. US20020187523A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.

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;  APPLICANT:  TANG, Y. Tom
;  APPLICANT:  YUE, Henry
;  APPLICANT:  LAL, Preeti
;  APPLICANT:  BURFORD, Neil
;  APPLICANT:  BANDMAN, Olga
;  APPLICANT:  BAUGHN, Mariah R.
;  APPLICANT:  AZIMZAI, Yalda
;  APPLICANT:  LU, Dyung Aina M.
;  APPLICANT:  PATTERSON, Chandra
;  TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
;  FILE REFERENCE: PF-0701 USA
;  CURRENT APPLICATION NUMBER: US/09/965,528
;  CURRENT FILING DATE:  2001-09-26
;  PRIOR APPLICATION NUMBER: 60/134,949
;  PRIOR FILING DATE: 1999-05-19
;  PRIOR APPLICATION NUMBER: 60/144,270
;  PRIOR FILING DATE: 1999-07-15
;  PRIOR APPLICATION NUMBER: 60/146,700
;  PRIOR FILING DATE: 1999-07-30
;  PRIOR APPLICATION NUMBER: 60/157,508
;  PRIOR FILING DATE: 1999-10-04
;  NUMBER OF SEQ ID NOS: 55
;  SOFTWARE: PERL Program
; SEQ ID NO 11
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. US20020187523A1 2006548CD1
US-09-965-528-11

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
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RESULT 41
US-09-989-735-371
; Sequence 371, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C61
;  CURRENT APPLICATION NUMBER: US/09/989,735
;  CURRENT FILING DATE:  2001-11-19
;  PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 42
US-09-990-444-371
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
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; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
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; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730P1C19
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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 43
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; Sequence 371, Application US/09991181
; Publication No. US20020197615A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
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; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 44
US-09-989-730-371
; Sequence 371, Application US/09989730
; Publication No. US20020197674A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C69
; CURRENT APPLICATION NUMBER: US/09/989,730
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 45
US-09-990-436-371
; Sequence 371, Application US/09990436
; Publication No. US20020198148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C14
; CURRENT APPLICATION NUMBER: US/09/990,436
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 46
US-09-993-687-371
; Sequence 371, Application US/09993687
; Publication No. US20020198149A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C11
; CURRENT APPLICATION NUMBER: US/09/993,687
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 47
US-09-989-734-371
; Sequence 371, Application US/09989734
; Publication No. US20030003531A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C64
; CURRENT APPLICATION NUMBER: US/09/989,734
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 48
US-09-997-653-371
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; Publication No. US20030008297A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
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; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 49
US-09-989-724-371
; Sequence 371, Application US/09989724
; Publication No. US20030017476A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C67
;  CURRENT APPLICATION NUMBER: US/09/989,724
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
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;  PRIOR FILING DATE: 1998-02-25
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 50
US-09-989-728-371
; Sequence 371, Application US/09989728
; Publication No. US20030017981A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C72
; CURRENT APPLICATION NUMBER: US/09/989,728
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-06-03
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
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; PRIOR APPLICATION NUMBER: 60/088217
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182

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;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 51
US-09-990-441-371
; Sequence 371, Application US/09990441
; Publication No. US20030017982A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
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;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C47
;  CURRENT APPLICATION NUMBER: US/09/990,441
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;  PRIOR FILING DATE: 1998-06-11
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 52
US-09-993-667-371
; Sequence 371, Application US/09993667
; Publication No. US20030022187A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C4
; CURRENT APPLICATION NUMBER: US/09/993,667
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-06-23
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 53
US-09-997-428-371
; Sequence 371, Application US/09997428
; Publication No. US20030027162A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C44
;  CURRENT APPLICATION NUMBER: US/09/997,428
;  CURRENT FILING DATE:  2001-11-15
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;  PRIOR APPLICATION NUMBER: 60/089952
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; PRIOR FILING DATE: 1998-06-19
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; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 54
US-09-997-666-371
; Sequence 371, Application US/09997666
; Publication No. US20030027163A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C42
; CURRENT APPLICATION NUMBER: US/09/997,666
; CURRENT FILING DATE: 2001-11-15
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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RESULT 55
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; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
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;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C3
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;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
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  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
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;  TITLE OF INVENTION:  Acids Encoding the Same
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; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
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; PRIOR APPLICATION NUMBER: 60/091478
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 57
US-09-796-753-64
; Sequence 64, Application US/09796753

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; Publication No. US20030027998A1
; GENERAL INFORMATION:
;  APPLICANT:  McCarthy, Sean A.
;  TITLE OF INVENTION:  SECRETED PROTEINS AND USES THEREOF
;  FILE REFERENCE:  7853-227-999
;  CURRENT APPLICATION NUMBER: US/09/796,753
;  CURRENT FILING DATE:  2001-03-01
;  PRIOR APPLICATION NUMBER:  09/183,175
;  PRIOR FILING DATE:  1998-10-30
;  PRIOR APPLICATION NUMBER:  09/223,094
;  PRIOR FILING DATE:  1998-12-30
;  PRIOR APPLICATION NUMBER:  09/223,546
;  PRIOR FILING DATE:  1998-12-30
;  PRIOR APPLICATION NUMBER:  09/224,246
;  PRIOR FILING DATE:  1998-12-30
;  PRIOR APPLICATION NUMBER:  09/259,388
;  PRIOR FILING DATE:  1999-02-26
;  PRIOR APPLICATION NUMBER:  60/122,458
;  PRIOR FILING DATE:  1999-03-01
;  PRIOR APPLICATION NUMBER:  09/312,359
;  PRIOR FILING DATE:  1999-05-14
;  PRIOR APPLICATION NUMBER:  09/336,536
;  PRIOR FILING DATE:  1999-06-18
;  PRIOR APPLICATION NUMBER:  09/342,687
;  PRIOR FILING DATE:  1999-06-29
;  PRIOR APPLICATION NUMBER:  09/345,464
;  PRIOR FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER:  09/365,164
;  PRIOR FILING DATE:  1999-07-30
;  PRIOR APPLICATION NUMBER:  09/399,723
;  PRIOR FILING DATE:  1999-09-20
;  PRIOR APPLICATION NUMBER:  09/409,634
;  PRIOR FILING DATE:  1999-09-30
;  PRIOR APPLICATION NUMBER:  09/471,179
;  PRIOR FILING DATE:  1999-12-23
;  PRIOR APPLICATION NUMBER:  09/474,071
;  PRIOR FILING DATE:  1999-12-29
;  PRIOR APPLICATION NUMBER:  09/474,072
;  PRIOR FILING DATE:  1999-12-29
;  PRIOR APPLICATION NUMBER:  09/514,010
;  PRIOR FILING DATE:  2000-02-25
;  PRIOR APPLICATION NUMBER:  09/516,745
;  PRIOR FILING DATE:  2000-03-01
;  PRIOR APPLICATION NUMBER:  09/572,002
;  PRIOR FILING DATE:  2000-05-14
;  PRIOR APPLICATION NUMBER:  09/597,993
;  PRIOR FILING DATE:  2000-06-19
;  PRIOR APPLICATION NUMBER:  09/599,596
;  PRIOR FILING DATE:  2000-06-22
;  PRIOR APPLICATION NUMBER:  09/630,334
;  PRIOR FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER:  09/606,565
;  PRIOR FILING DATE:  2000-06-29
;  PRIOR APPLICATION NUMBER:  09/606,317
;  PRIOR FILING DATE:  2000-06-29
;  PRIOR APPLICATION NUMBER:  09/665,666
;  PRIOR FILING DATE:  2000-09-20
;  PRIOR APPLICATION NUMBER:  09/677,751
;  PRIOR FILING DATE:  2000-09-30
;  NUMBER OF SEQ ID NOS:  162
; SEQ ID NO 64
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-796-753-64

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 58
US-09-990-711-371
; Sequence 371, Application US/09990711
; Publication No. US20030032023A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C2
;  CURRENT APPLICATION NUMBER: US/09/990,711
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/084600
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;  PRIOR FILING DATE: 1998-06-04
;  PRIOR APPLICATION NUMBER: 60/088025
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; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 59
US-09-989-726-371
; Sequence 371, Application US/09989726
; Publication No. US20030040473A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/989,726
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090676
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090678
;  PRIOR FILING DATE: 1998-06-25
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;  PRIOR FILING DATE: 1998-06-25
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;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090695
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;  PRIOR APPLICATION NUMBER: 60/091633
;  PRIOR FILING DATE: 1998-07-02
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;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 60
US-09-998-156-371
; Sequence 371, Application US/09998156
; Publication No. US20030044806A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C28
;  CURRENT APPLICATION NUMBER: US/09/998,156
;  CURRENT FILING DATE:  2001-11-15
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
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;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
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;  PRIOR FILING DATE: 1998-03-20
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;  PRIOR FILING DATE: 1998-04-28
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 61
US-09-990-437-371
; Sequence 371, Application US/09990437

; Publication No. US20030045463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C49
; CURRENT APPLICATION NUMBER: US/09/990,437
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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;  PRIOR APPLICATION NUMBER: 60/091519
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;  PRIOR APPLICATION NUMBER: 60/091633
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 62
US-09-991-157-371
; Sequence 371, Application US/09991157
; Publication No. US20030049638A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C51
;  CURRENT APPLICATION NUMBER: US/09/991,157
;  CURRENT FILING DATE:  2001-11-16
;  PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 63
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; Publication No. US20030049681A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc

; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C46
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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 64
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; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
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; APPLICANT: Godowski,Paul J.
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 65
US-09-991-172-371
; Sequence 371, Application US/09991172
; Publication No. US20030050457A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
```

; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C50
; CURRENT APPLICATION NUMBER: US/09/991,172
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 66
US-09-990-726-371
; Sequence 371, Application US/09990726
; Publication No. US20030054359A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C16
; CURRENT APPLICATION NUMBER: US/09/990,726
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
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; PRIOR APPLICATION NUMBER: 60/088738

; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 67
US-09-997-559-371
; Sequence 371, Application US/09997559
; Publication No. US20030054403A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James

; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C40
; CURRENT APPLICATION NUMBER: US/09/997,559
; CURRENT FILING DATE: 2001-11-15
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 68
US-09-997-601-371
; Sequence 371, Application US/09997601
; Publication No. US20030054404A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C36
; CURRENT APPLICATION NUMBER: US/09/997,601
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
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Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 69
US-09-990-443-371
; Sequence 371, Application US/09990443
; Publication No. US20030054987A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
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; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
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; APPLICANT: Napier,Mary A.
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
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; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 70
US-09-991-854-371
; Sequence 371, Application US/09991854
; Publication No. US20030059780A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C24
; CURRENT APPLICATION NUMBER: US/09/991,854
; CURRENT FILING DATE: 2001-11-14
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 71
US-09-997-628-371
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; Publication No. US20030059782A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C30
; CURRENT APPLICATION NUMBER: US/09/997,628

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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 72
US-09-997-683-371
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; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 73
US-09-989-729A-371
; Sequence 371, Application US/09989729A
; Publication No. US20030059831A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C59
; CURRENT APPLICATION NUMBER: US/09/989,729A
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: 60/091478
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091544
;  PRIOR FILING DATE: 1998-07-01
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;  PRIOR APPLICATION NUMBER: 60/091633
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;  PRIOR APPLICATION NUMBER: 60/091978
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;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 74
US-09-997-349-371
; Sequence 371, Application US/09997349
; Publication No. US20030059832A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C37
;  CURRENT APPLICATION NUMBER: US/09/997,349
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;  PRIOR APPLICATION NUMBER: 60/089532
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; PRIOR FILING DATE: 1998-06-17
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; PRIOR APPLICATION NUMBER: 60/089598
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; PRIOR APPLICATION NUMBER: 60/091360
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; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 75
US-09-997-440-371
; Sequence 371, Application US/09997440
; Publication No. US20030059833A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C31
; CURRENT APPLICATION NUMBER: US/09/997,440
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/088033
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; PRIOR APPLICATION NUMBER: 60/088167
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; PRIOR APPLICATION NUMBER: 60/088212
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; PRIOR APPLICATION NUMBER: 60/088217
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 76
US-09-990-440-371
; Sequence 371, Application US/09990440
; Publication No. US20030060407A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C21
; CURRENT APPLICATION NUMBER: US/09/990,440
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 77
US-09-997-857-371
; Sequence 371, Application US/09997857
; Publication No. US20030064375A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
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; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C43
; CURRENT APPLICATION NUMBER: US/09/997,857
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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;  PRIOR FILING DATE: 1998-07-07
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;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 78
US-09-993-469-371
; Sequence 371, Application US/09993469
; Publication No. US20030068623A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C5
;  CURRENT APPLICATION NUMBER: US/09/993,469
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-09

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 79
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; Publication No. US20030068647A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
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; APPLICANT: Tumas, Daniel
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C26
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; CURRENT FILING DATE: 2001-11-15
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; PRIOR APPLICATION NUMBER: 60/092182
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


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; Sequence 371, Application US/09993748
; Publication No. US20030069403A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
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;  APPLICANT:  Desnoyers,Luc
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;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
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;  PRIOR FILING DATE: 1998-06-17
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;  PRIOR APPLICATION NUMBER: 60/089801
;  PRIOR FILING DATE: 1998-06-18
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;  PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 81
US-09-990-439-371
; Sequence 371, Application US/09990439
; Publication No. US20030073090A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C52
; CURRENT APPLICATION NUMBER: US/09/990,439
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
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; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021

; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
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; PRIOR APPLICATION NUMBER: 60/088655
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 82
US-09-990-427-371
; Sequence 371, Application US/09990427
; Publication No. US20030073809A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C10
;  CURRENT APPLICATION NUMBER: US/09/990,427
;  CURRENT FILING DATE:  2001-11-14
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;  PRIOR APPLICATION NUMBER: 60/089952
;  PRIOR FILING DATE: 1998-06-19
;  PRIOR APPLICATION NUMBER: 60/090246
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;  PRIOR APPLICATION NUMBER: 60/090252
;  PRIOR FILING DATE: 1998-06-22
;  PRIOR APPLICATION NUMBER: 60/090254
;  PRIOR FILING DATE: 1998-06-22
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;  PRIOR FILING DATE: 1998-06-23
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;  PRIOR FILING DATE: 1998-06-23
;  PRIOR APPLICATION NUMBER: 60/090429
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;  PRIOR APPLICATION NUMBER: 60/090431
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090435
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: 60/090444
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;  PRIOR APPLICATION NUMBER: 60/090445
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;  PRIOR APPLICATION NUMBER: 60/090694
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;  PRIOR APPLICATION NUMBER: 60/090695
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090696
;  PRIOR FILING DATE: 1998-06-25
;  PRIOR APPLICATION NUMBER: 60/090862
;  PRIOR FILING DATE: 1998-06-26
;  PRIOR APPLICATION NUMBER: 60/090863
;  PRIOR FILING DATE: 1998-06-26
;  PRIOR APPLICATION NUMBER: 60/091360
;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: 60/091478
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091544
;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: 60/091519
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091626
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091633
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
                ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 83
US-09-989-328-371
; Sequence 371, Application US/09989328
; Publication No. US20030077593A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C54
;  CURRENT APPLICATION NUMBER: US/09/989,328
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-989-328-371

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79
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Qy          61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db          80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 84
US-09-993-583-371
; Sequence 371, Application US/09993583
; Publication No. US20030077594A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C7
;  CURRENT APPLICATION NUMBER: US/09/993,583
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
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;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
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;  PRIOR FILING DATE: 1998-04-28
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;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/087106
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;  PRIOR APPLICATION NUMBER: 60/087609
;  PRIOR FILING DATE: 1998-06-02
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;  PRIOR FILING DATE: 1998-06-19
;  PRIOR APPLICATION NUMBER: 60/090246
;  PRIOR FILING DATE: 1998-06-22
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; PRIOR APPLICATION NUMBER: 60/090252
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 85
US-09-941-992-371
; Sequence 371, Application US/09941992
; Publication No. US20030082546A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C1
; CURRENT APPLICATION NUMBER: US/09/941,992
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1997-11-24
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 86
US-09-992-521-371
; Sequence 371, Application US/09992521
; Publication No. US20030083461A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C6
;  CURRENT APPLICATION NUMBER: US/09/992,521
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: 60/049787
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;  PRIOR FILING DATE: 1997-10-17
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;  PRIOR FILING DATE: 1997-11-13
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;  PRIOR FILING DATE: 1998-06-23
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;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
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;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 87
US-09-997-333-371
; Sequence 371, Application US/09997333
; Publication No. US20030087304A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C27
;  CURRENT APPLICATION NUMBER: US/09/997,333
;  CURRENT FILING DATE:  2001-11-15
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 88
US-09-997-384-371
; Sequence 371, Application US/09997384
; Publication No. US20030087305A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.

; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
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; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
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; APPLICANT: Roy, Margaret Ann
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C35
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; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 89
US-09-998-041-371
; Sequence 371, Application US/09998041
; Publication No. US20030119001A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C34
; CURRENT APPLICATION NUMBER: US/09/998,041
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 90
US-09-997-585-371
; Sequence 371, Application US/09997585
; Publication No. US20030119055A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman

; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C41
; CURRENT APPLICATION NUMBER: US/09/997,585
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 91
US-09-997-614-371
; Sequence 371, Application US/09997614
; Publication No. US20030124531A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
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; APPLICANT: Napier,Mary A.
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; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C29
; CURRENT APPLICATION NUMBER: US/09/997,614
; CURRENT FILING DATE: 2001-11-15
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 92
US-09-989-862-371
; Sequence 371, Application US/09989862
; Publication No. US20030130182A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.

; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C58
; CURRENT APPLICATION NUMBER: US/09/989,862
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/083322
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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 93
US-09-997-529-371
; Sequence 371, Application US/09997529
; Publication No. US20030134284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C33
; CURRENT APPLICATION NUMBER: US/09/997,529
; CURRENT FILING DATE: 2001-11-15
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 94
US-09-989-725-371
; Sequence 371, Application US/09989725
; Publication No. US20030139329A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C71
; CURRENT APPLICATION NUMBER: US/09/989,725
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
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; PRIOR FILING DATE: 1997-11-24
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
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; PRIOR FILING DATE: 1998-06-25

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;  PRIOR APPLICATION NUMBER: 60/090678
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;  PRIOR APPLICATION NUMBER: 60/090694
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;  PRIOR FILING DATE: 1998-06-26
;  PRIOR APPLICATION NUMBER: 60/091360
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;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091633
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 95
US-09-991-150-371
; Sequence 371, Application US/09991150
; Publication No. US20030194760A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C48
;  CURRENT APPLICATION NUMBER: US/09/991,150
;  CURRENT FILING DATE:  2001-11-16
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-991-150-371

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 96
US-09-997-641-371
; Sequence 371, Application US/09997641
; Publication No. US20030224358A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C39
;  CURRENT APPLICATION NUMBER: US/09/997,641
;  CURRENT FILING DATE:  2001-11-15
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
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;  PRIOR APPLICATION NUMBER: 60/065311
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;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
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;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091626
;  PRIOR FILING DATE: 1998-07-02
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;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 97
US-09-989-733-371
; Sequence 371, Application US/09989733
; Publication No. US20030228655A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C68
;  CURRENT APPLICATION NUMBER: US/09/989,733
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-989-733-371

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 98
US-09-992-643-371
; Sequence 371, Application US/09992643
; Publication No. US20030228656A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C13
;  CURRENT APPLICATION NUMBER: US/09/992,643
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
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;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-992-643-371

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 99
US-09-969-984-11
; Sequence 11, Application US/09969984
; Publication No. US20040048244A1
; GENERAL INFORMATION:
;  APPLICANT: INCYTE GENOMICS, INC.
; 'APPLICANT:  TANG, Y. Tom
;  APPLICANT:  YUE, Henry
;  APPLICANT:  LAL, Preeti
;  APPLICANT:  BURFORD, Neil
;  APPLICANT:  BANDMAN, Olga
;  APPLICANT:  BAUGHN, Mariah R.
;  APPLICANT:  AZIMZAI, Yalda
;  APPLICANT:  LU, Dyung Aina M.
;  APPLICANT:  PATTERSON, Chandra
;  TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
;  FILE REFERENCE: PF-0701-1 USA
;  CURRENT APPLICATION NUMBER: US/09/969,984
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: 60/134,949; 60/144,270; 60/146,700; 60/157,508
;  PRIOR FILING DATE: 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04
;  NUMBER OF SEQ ID NOS: 55
;  SOFTWARE: PERL Program
; SEQ ID NO 11
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. US20040048244A1 2006548CD1
US-09-969-984-11

  Query Match             100.0%;  Score 86;  DB 3;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 100
US-10-016-481-2
; Sequence 2, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
;  APPLICANT: Zhou, Qun-Yong
;  APPLICANT:  Ehlert, Frederick
;  TITLE OF INVENTION: Prokineticin Polypeptides, Related
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: P-UC 5016
;  CURRENT APPLICATION NUMBER: US/10/016,481
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 60/245,882
;  PRIOR FILING DATE: 2000-11-03
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 105
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-016-481-2

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-82;
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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Search completed: April 18, 2006, 17:59:59
Job time : 177 secs
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GenCore version 5.1.7

OM protein - protein search, using sw model

Run on: April 18, 2006, 17:43:46 ; Search time 190 Seconds
(without alignments)
198.877 Million cell updates/sec

Title: US-10-027-603-2_COPY_20_105
Perfect score: 86
Sequence: 1 AVITGACERDVQCGAGTCCA.....CSRFPDGRYRCSMDLKNINF 86

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 2443163 seqs, 439378781 residues

Word size : 1

Total number of hits satisfying chosen parameters: 2442881

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database : A_Geneseq_21:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*
9: geneseqp2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	86	100.0	86	4	AAB70146	Aab70146 Human G p
2	86	100.0	86	5	ABB76801	Abb76801 Human ZAQ
3	86	100.0	86	5	ABJ05338	Abj05338 Human ZAQ
4	86	100.0	86	5	AAO15529	Aao15529 Human phy
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6	86	100.0	86	5	AAE24383	Aae24383 Human pro
7	86	100.0	86	7	ADD69104	Add69104 Human ZAQ
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9	86	100.0	86	8	ADN43256	Adn43256 Amino aci
10	86	100.0	86	8	ADR24003	Adr24003 Human ZAQ
11	86	100.0	86	8	ADS86471	Ads86471 Human ZAQ
12	86	100.0	86	8	ADS75494	Ads75494 Human pro
13	86	100.0	86	9	ADW00759	Adw00759 Amino aci
14	86	100.0	86	9	ADZ58575	Adz58575 Human ZAQ
15	86	100.0	86	9	AEB45594	Aeb45594 Human Zve
16	86	100.0	87	5	AAE24395	Aae24395 Human pro
17	86	100.0	87	8	ADS75509	Ads75509 Prokineti
18	86	100.0	89	5	AAE24392	Aae24392 Human pro
19	86	100.0	89	8	ADS75506	Ads75506 Prokineti
20	86	100.0	105	3	AAY66745	Aay66745 Membrane-
21	86	100.0	105	3	AAB18453	Aab18453 A human T
22	86	100.0	105	4	AAB70148	Aab70148 Human G p
23	86	100.0	105	4	AAB68427	Aab68427 Amino aci
24	86	100.0	105	4	AAU12406	Aau12406 Human PRO
25	86	100.0	105	4	AAB53096	Aab53096 Human ang
26	86	100.0	105	4	AAB65268	Aab65268 Human PRO
27	86	100.0	105	4	AAB48175	Aab48175 Human PRO
28	86	100.0	105	4	AAB48067	Aab48067 Human ext
29	86	100.0	105	5	AAM50773	Aam50773 Endocrine
30	86	100.0	105	5	AAU83674	Aau83674 Human PRO
31	86	100.0	105	5	ABB84902	Abb84902 Human PRO
32	86	100.0	105	5	AAO15527	Aao15527 Human phy
33	86	100.0	105	5	ABB06308	Abb06308 Human G p
34	86	100.0	105	5	AAE24382	Aae24382 Human pro
35	86	100.0	105	5	ABB95508	Abb95508 Human ang
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59	86	100.0	105	6	ABU92223	Abu92223 Novel hum
60	86	100.0	105	6	ABU10929	Abu10929 Human PRO
61	86	100.0	105	6	ABU81681	Abu81681 Novel hum
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66	86	100.0	105	6	ABJ72310	Abj72310 Human PRO
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76	86	100.0	105	6	ADA10355	Ada10355 Human sec
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78	86	100.0	105	6	ADB30650	Adb30650 Human PRO
79	86	100.0	105	6	ADA85946	Ada85946 Novel hum
80	86	100.0	105	6	ADA17899	Ada17899 Human PRO
81	86	100.0	105	6	ADA97158	Ada97158 Human PRO
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87	86	100.0	105	6	ADB14958	Adb14958 Human PRO
88	86	100.0	105	6	ADB18919	Adb18919 Novel hum
89	86	100.0	105	6	ADA94134	Ada94134 Human PRO
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94	86	100.0	105	6	ADA74596	Ada74596 Human PRO
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98	86	100.0	105	6	ADA85394	Ada85394 Novel hum	171	86	100.0	105	7	ADC56504	Adc56504 Human PRO
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100	86	100.0	105	6	ADB30098	Adb30098 Human PRO	173	86	100.0	105	7	ADC11549	Adc11549 Human sec
101	86	100.0	105	6	ADA80626	Ada80626 Human PRO	174	86	100.0	105	7	ADC36895	Adc36895 Human PRO
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103	86	100.0	105	6	ADA38812	Ada38812 Human sec	176	86	100.0	105	7	ADC50511	Adc50511 Novel hum
104	86	100.0	105	6	ADA47093	Ada47093 Human PRO	177	86	100.0	105	7	ADC72058	Adc72058 Novel hum
105	86	100.0	105	6	ADB25389	Adb25389 Human PRO	178	86	100.0	105	7	ADC60037	Adc60037 Novel hum
106	86	100.0	105	6	ADA93565	Ada93565 Human PRO	179	86	100.0	105	7	ADC49916	Adc49916 Novel hum
107	86	100.0	105	6	ADB26915	Adb26915 Human PRO	180	86	100.0	105	7	ADC49115	Adc49115 Novel hum
108	86	100.0	105	6	ADB31202	Adb31202 Human PRO	181	86	100.0	105	7	ADC49632	Adc49632 Novel hum
109	86	100.0	105	6	ABJ72438	Abj72438 Human PRO	182	86	100.0	105	7	ADC47493	Adc47493 Novel hum
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111	86	100.0	105	6	ADA61130	Ada61130 Homo sapi	184	86	100.0	105	7	ADC57398	Adc57398 Novel hum
112	86	100.0	105	6	ADB24277	Adb24277 Human PRO	185	86	100.0	105	7	ADC60589	Adc60589 Novel hum
113	86	100.0	105	6	ADA96606	Ada96606 Human PRO	186	86	100.0	105	7	ADC51064	Adc51064 Novel hum
114	86	100.0	105	6	ADA81178	Ada81178 Human PRO	187	86	100.0	105	7	ADC65591	Adc65591 Human PRO
115	86	100.0	105	6	ADA96054	Ada96054 Human PRO	188	86	100.0	105	7	ADC54689	Adc54689 Novel hum
116	86	100.0	105	6	ADB26363	Adb26363 Human PRO	189	86	100.0	105	7	ADC53650	Adc53650 Novel hum
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118	86	100.0	105	6	ABO34333	Abo34333 Human sec	191	86	100.0	105	7	ADC56051	Adc56051 Novel hum
119	86	100.0	105	7	ADA77627	Ada77627 Human PRO	192	86	100.0	105	7	ADC58621	Adc58621 Novel hum
120	86	100.0	105	7	ADB18367	Adb18367 Human PRO	193	86	100.0	105	7	ADC14671	Adc14671 Novel hum
121	86	100.0	105	7	ADA87050	Ada87050 Novel hum	194	86	100.0	105	7	ADC47238	Adc47238 Novel hum
122	86	100.0	105	7	ADA88153	Ada88153 Novel hum	195	86	100.0	105	7	ADD08203	Add08203 Novel hum
123	86	100.0	105	7	ADA46541	Ada46541 Novel hum	196	86	100.0	105	7	ADD03295	Add03295 Novel hum
124	86	100.0	105	7	ADB28571	Adb28571 Human PRO	197	86	100.0	105	7	ADC90287	Adc90287 Novel hum
125	86	100.0	105	7	ADB29123	Adb29123 Human PRO	198	86	100.0	105	7	ADC82028	Adc82028 Human PRO
126	86	100.0	105	7	ABO53220	Abo53220 Human sec	199	86	100.0	105	7	ADC69706	Adc69706 Human PRO
127	86	100.0	105	7	ADA77075	Ada77075 Human PRO	200	86	100.0	105	7	ADC48595	Adc48595 Human PRO
128	86	100.0	105	7	ADA22494	Ada22494 Human sec	201	86	100.0	105	7	ADD10124	Add10124 Human PRO
129	86	100.0	105	7	ADA88705	Ada88705 Novel hum	202	86	100.0	105	7	ADD07670	Add07670 Novel hum
130	86	100.0	105	7	ADA97710	Ada97710 Human PRO	203	86	100.0	105	7	ADC78113	Adc78113 Novel hum
131	86	100.0	105	7	ADB27467	Adb27467 Human PRO	204	86	100.0	105	7	ADD04699	Add04699 Novel hum
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135	86	100.0	105	7	ABJ72140	Abj72140 Human mem	208	86	100.0	105	7	ADD11162	Add11162 Human PRO
136	86	100.0	105	7	ADA39353	Ada39353 Human sec	209	86	100.0	105	7	ADD10461	Add10461 Human sec
137	86	100.0	105	7	ADA67091	Ada67091 Human PRO	210	86	100.0	105	7	ADC48043	Adc48043 Human PRO
138	86	100.0	105	7	ADB22952	Adb22952 Human PRO	211	86	100.0	105	7	ADD08741	Add08741 Novel hum
139	86	100.0	105	7	ADB23725	Adb23725 Human PRO	212	86	100.0	105	7	ADC77867	Adc77867 Novel hum
140	86	100.0	105	7	ADA92447	Ada92447 Novel hum	213	86	100.0	105	7	ADC80103	Adc80103 Novel hum
141	86	100.0	105	7	ADB15510	Adb15510 Human PRO	214	86	100.0	105	7	ADD06990	Add06990 Novel hum
142	86	100.0	105	7	ADB83656	Adb83656 Novel hum	215	86	100.0	105	7	ADD11421	Add11421 Human sec
143	86	100.0	105	7	ADB80762	Adb80762 Novel hum	216	86	100.0	105	7	ADD09572	Add09572 Human PRO
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146	86	100.0	105	7	ADB96379	Adb96379 Human PRO	219	86	100.0	105	7	ADD41285	Add41285 Novel hum
147	86	100.0	105	7	ADB78385	Adb78385 Novel hum	220	86	100.0	105	7	ADD52424	Add52424 Human PRO
148	86	100.0	105	7	ADB38210	Adb38210 Novel hum	221	86	100.0	105	7	ADD51076	Add51076 Novel hum
149	86	100.0	105	7	ADB66682	Adb66682 Novel hum	222	86	100.0	105	7	ADD53164	Add53164 Human PRO
150	86	100.0	105	7	ADB85033	Adb85033 Human PRO	223	86	100.0	105	7	ADD53716	Add53716 Novel hum
151	86	100.0	105	7	ADB89762	Adb89762 Human PRO	224	86	100.0	105	7	ADD55344	Add55344 Human PRO
152	86	100.0	105	7	ADB90494	Adb90494 Human PRO	225	86	100.0	105	7	ADD69106	Add69106 Human ZAQ
153	86	100.0	105	7	ADB39595	Adb39595 Novel hum	226	86	100.0	105	7	ADD37214	Add37214 Human sec
154	86	100.0	105	7	ADB78139	Adb78139 Novel hum	227	86	100.0	105	7	ADD56302	Add56302 Human PRO
155	86	100.0	105	7	ADB87205	Adb87205 Human PRO	228	86	100.0	105	7	ADD51872	Add51872 Human PRO
156	86	100.0	105	7	ADB84787	Adb84787 Human PRO	229	86	100.0	105	7	ADD02671	Add02671 Human PRO
157	86	100.0	105	7	ADB47218	Adb47218 Novel hum	230	86	100.0	105	7	ADD50557	Add50557 Human PRO
158	86	100.0	105	7	ADB83902	Adb83902 Novel hum	231	86	100.0	105	7	ADD02105	Add02105 Human PRO
159	86	100.0	105	7	ADB86825	Adb86825 Human PRO	232	86	100.0	105	7	ADD54287	Add54287 Novel hum
160	86	100.0	105	7	ADB73057	Adb73057 Novel hum	233	86	100.0	105	7	ADD54740	Add54740 Human PRO
161	86	100.0	105	7	ADB77430	Adb77430 Novel hum	234	86	100.0	105	7	ADD50311	Add50311 Human PRO
162	86	100.0	105	7	ADB34587	Adb34587 Human PRO	235	86	100.0	105	7	ADD51322	Add51322 Novel hum
163	86	100.0	105	7	ADB35691	Adb35691 Human PRO	236	86	100.0	105	7	ADD92604	Add92604 Human PRO
164	86	100.0	105	7	ADB34035	Adb34035 Human PRO	237	86	100.0	105	7	ADD91500	Add91500 Human PRO
165	86	100.0	105	7	ADB35139	Adb35139 Human PRO	238	86	100.0	105	7	ADE04114	Ade04114 Human PRO
166	86	100.0	105	7	ADB36243	Adb36243 Human PRO	239	86	100.0	105	7	ADE26894	Ade26894 Novel hum
167	86	100.0	105	7	ADB46638	Adb46638 Novel hum	240	86	100.0	105	7	ADE32411	Ade32411 Novel hum
168	86	100.0	105	7	ADC57851	Adc57851 Human PRO	241	86	100.0	105	7	ADE22343	Ade22343 Human PRO
169	86	100.0	105	7	ADC55215	Adc55215 Human PRO	242	86	100.0	105	7	ADD79567	Add79567 Human PRO
170	86	100.0	105	7	ADC12082	Adc12082 Human sec	243	86	100.0	105	7	ADE42103	Ade42103 Human PRO

244	86	100.0	105	7	ADE17920	Ade17920	Human	PRO	317	86	100.0	105	8	ADD87467	Add87467 Human PRO
245	86	100.0	105	7	ADD92052	Add92052	Human	PRO	318	86	100.0	105	8	ADE05146	Ade05146 Human PRO
246	86	100.0	105	7	ADE33515	Ade33515	Novel	hum	319	86	100.0	105	8	ADD75359	Add75359 Human PRO
247	86	100.0	105	7	ADE34067	Ade34067	Novel	hum	320	86	100.0	105	8	ADD76903	Add76903 Novel hum
248	86	100.0	105	7	ADD80119	Add80119	Human	PRO	321	86	100.0	105	8	ADD86671	Add86671 Novel hum
249	86	100.0	105	7	ADD93156	Add93156	Human	PRO	322	86	100.0	105	8	ADE89333	Ade89333 Human PRO
250	86	100.0	105	7	ADE19576	Ade19576	Human	PRO	323	86	100.0	105	8	ADD78139	Add78139 Novel hum
251	86	100.0	105	7	ADE19024	Ade19024	Human	PRO	324	86	100.0	105	8	ADE18472	Ade18472 Human PRO
252	86	100.0	105	7	ADE43220	Ade43220	Human	PRO	325	86	100.0	105	8	ADE88781	Ade88781 Human PRO
253	86	100.0	105	7	ADD96009	Add96009	Human	PRO	326	86	100.0	105	8	ADD77647	Add77647 Novel hum
254	86	100.0	105	7	ADE22895	Ade22895	Human	PRO	327	86	100.0	105	8	ADD77893	Add77893 Novel hum
255	86	100.0	105	7	ADD79013	Add79013	Human	PRO	328	86	100.0	105	8	ADD85351	Add85351 Novel hum
256	86	100.0	105	7	ADE26361	Ade26361	Novel	hum	329	86	100.0	105	8	ADD73883	Add73883 Human PRO
257	86	100.0	105	7	ADE32963	Ade32963	Novel	hum	330	86	100.0	105	8	ADD74621	Add74621 Human PRO
258	86	100.0	105	7	ADE42655	Ade42655	Human	PRO	331	86	100.0	105	8	ADD77149	Add77149 Novel hum
259	86	100.0	105	7	ADD80671	Add80671	Human	PRO	332	86	100.0	105	8	ADD85843	Add85843 Novel hum
260	86	100.0	105	7	ADD89699	Add89699	Human	PRO	333	86	100.0	105	8	ADE05392	Ade05392 Human PRO
261	86	100.0	105	7	ADE40983	Ade40983	Human	PRO	334	86	100.0	105	8	ADD74867	Add74867 Human PRO
262	86	100.0	105	7	ADE04782	Ade04782	Human	PRO	335	86	100.0	105	8	ADE94801	Ade94801 Human PRO
263	86	100.0	105	7	ADE92911	Ade92911	Human	PRO	336	86	100.0	105	8	ADE91212	Ade91212 Human PRO
264	86	100.0	105	7	ADF67298	Adf67298	Human	PRO	337	86	100.0	105	8	ADF35497	Adf35497 Human PRO
265	86	100.0	105	7	ADF28070	Adf28070	Human	Zve	338	86	100.0	105	8	ADE95353	Ade95353 Human PRO
266	86	100.0	105	7	ADG21620	Adg21620	Novel	hum	339	86	100.0	105	8	ADE93463	Ade93463 Human PRO
267	86	100.0	105	7	ADG23261	Adg23261	Novel	hum	340	86	100.0	105	8	ADF35044	Adf35044 Human PRO
268	86	100.0	105	7	ADF97596	Adf97596	Human	PRO	341	86	100.0	105	8	ADE92359	Ade92359 Novel hum
269	86	100.0	105	7	ABG75089	Abg75089	Prokineti		342	86	100.0	105	8	ADE90660	Ade90660 Human PRO
270	86	100.0	105	7	ABG75086	Abg75086	Human	pro	343	86	100.0	105	8	ADE91807	Ade91807 Novel hum
271	86	100.0	105	7	ADG80660	Adg80660	Human	PRO	344	86	100.0	105	8	ADG11747	Adg11747 Human PRO
272	86	100.0	105	7	ADG80108	Adg80108	Human	PRO	345	86	100.0	105	8	ADG05679	Adg05679 Novel hum
273	86	100.0	105	7	ADH55400	Adh55400	Novel	hum	346	86	100.0	105	8	ADG27233	Adg27233 Human PRO
274	86	100.0	105	7	ADH55952	Adh55952	Novel	hum	347	86	100.0	105	8	ADG02386	Adg02386 Human PRO
275	86	100.0	105	7	ADI35552	Adi35552	Human	PRO	348	86	100.0	105	8	ADG22172	Adg22172 Novel hum
276	86	100.0	105	7	ADI64171	Adi64171	Novel	hum	349	86	100.0	105	8	ADG20242	Adg20242 Human PRO
277	86	100.0	105	7	ADI65120	Adi65120	Novel	hum	350	86	100.0	105	8	ADF98148	Adf98148 Human PRO
278	86	100.0	105	7	ADI63619	Adi63619	Novel	hum	351	86	100.0	105	8	ADG24365	Adg24365 Novel hum
279	86	100.0	105	7	ADH82033	Adh82033	Novel	hum	352	86	100.0	105	8	ADF98719	Adf98719 Human PRO
280	86	100.0	105	7	ADI00045	Adi00045	Novel	hum	353	86	100.0	105	8	ADG03550	Adg03550 Human PRO
281	86	100.0	105	7	ADH81481	Adh81481	Novel	hum	354	86	100.0	105	8	ADF99271	Adf99271 Human PRO
282	86	100.0	105	7	ADJ71810	Adj71810	Human	pro	355	86	100.0	105	8	ADG16856	Adg16856 Human PRO
283	86	100.0	105	7	ADM82650	Adm82650	Novel	hum	356	86	100.0	105	8	ADG05315	Adg05315 Human PRO
284	86	100.0	105	7	ADN16049	Adn16049	Novel	hum	357	86	100.0	105	8	ADG19582	Adg19582 Human PRO
285	86	100.0	105	7	ADN16678	Adn16678	Novel	hum	358	86	100.0	105	8	ADG11296	Adg11296 Novel hum
286	86	100.0	105	7	ADN15497	Adn15497	Novel	hum	359	86	100.0	105	8	ADG13419	Adg13419 Human PRO
287	86	100.0	105	7	ADN14945	Adn14945	Novel	hum	360	86	100.0	105	8	ADG08476	Adg08476 Novel hum
288	86	100.0	105	8	ADC48869	Adc48869	Novel	hum	361	86	100.0	105	8	ADG15646	Adg15646 Human PRO
289	86	100.0	105	8	ADC81207	Adc81207	Novel	hum	362	86	100.0	105	8	ADG12075	Adg12075 Novel hum
290	86	100.0	105	8	ADE21040	Ade21040	Novel	hum	363	86	100.0	105	8	ADF97044	Adf97044 Human PRO
291	86	100.0	105	8	ADE05884	Ade05884	Human	PRO	364	86	100.0	105	8	ADG06229	Adg06229 Human PRO
292	86	100.0	105	8	ADD76655	Add76655	Human	PRO	365	86	100.0	105	8	ADG23813	Adg23813 Novel hum
293	86	100.0	105	8	ADD75113	Add75113	Human	PRO	366	86	100.0	105	8	ADG04102	Adg04102 Human PRO
294	86	100.0	105	8	ADD75859	Add75859	Novel	hum	367	86	100.0	105	8	ADG25003	Adg25003 Novel hum
295	86	100.0	105	8	ADD85091	Add85091	Novel	hum	368	86	100.0	105	8	ADF94632	Adf94632 Novel hum
296	86	100.0	105	8	ADD86917	Add86917	Novel	hum	369	86	100.0	105	8	ADG07300	Adg07300 Novel hum
297	86	100.0	105	8	ADE20794	Ade20794	Novel	hum	370	86	100.0	105	8	ADG07852	Adg07852 Novel hum
298	86	100.0	105	8	ADE39091	Ade39091	Novel	hum	371	86	100.0	105	8	ADG06728	Adg06728 Human PRO
299	86	100.0	105	8	ADD88019	Add88019	Human	PRO	372	86	100.0	105	8	ADG55347	Adg55347 Novel hum
300	86	100.0	105	8	ADD86423	Add86423	Human	PRO	373	86	100.0	105	8	ADG61011	Adg61011 Novel hum
301	86	100.0	105	8	ADE05638	Ade05638	Human	PRO	374	86	100.0	105	8	ADG62115	Adg62115 Novel hum
302	86	100.0	105	8	ADD73623	Add73623	Human	PRO	375	86	100.0	105	8	ADG82316	Adg82316 Human PRO
303	86	100.0	105	8	ADE75871	Ade75871	Human	PRO	376	86	100.0	105	8	ADG57555	Adg57555 Novel hum
304	86	100.0	105	8	ADD78463	Add78463	Novel	hum	377	86	100.0	105	8	ADG57003	Adg57003 Novel hum
305	86	100.0	105	8	ADE41422	Ade41422	Human	sec	378	86	100.0	105	8	ADG55899	Adg55899 Novel hum
306	86	100.0	105	8	ADE23447	Ade23447	Human	PRO	379	86	100.0	105	8	ADG58659	Adg58659 Novel hum
307	86	100.0	105	8	ADE21286	Ade21286	Novel	hum	380	86	100.0	105	8	ADG71025	Adg71025 Novel hum
308	86	100.0	105	8	ADD77401	Add77401	Novel	hum	381	86	100.0	105	8	ADH39072	Adh39072 Novel hum
309	86	100.0	105	8	ADE20548	Ade20548	Novel	hum	382	86	100.0	105	8	ADG58107	Adg58107 Novel hum
310	86	100.0	105	8	ADD75613	Add75613	Human	PRO	383	86	100.0	105	8	ADG53691	Adg53691 Novel hum
311	86	100.0	105	8	ADD74129	Add74129	Human	PRO	384	86	100.0	105	8	ADG71577	Adg71577 Novel hum
312	86	100.0	105	8	ADD74375	Add74375	Human	PRO	385	86	100.0	105	8	ADG81764	Adg81764 Human PRO
313	86	100.0	105	8	ADD76105	Add76105	Novel	hum	386	86	100.0	105	8	ADH19617	Adh19617 Human sec
314	86	100.0	105	8	ADD85597	Add85597	Novel	hum	387	86	100.0	105	8	ADH30726	Adh30726 Human PRO
315	86	100.0	105	8	ADE23999	Ade23999	Human	PRO	388	86	100.0	105	8	ADH12093	Adh12093 Novel hum
316	86	100.0	105	8	ADE24642	Ade24642	Human	PRO	389	86	100.0	105	8	ADG52515	Adg52515 Novel hum

390	86	100.0	105	8	ADG54243	Adg54243 Novel hum
391	86	100.0	105	8	ADG81212	Adg81212 Human PRO
392	86	100.0	105	8	ADG56451	Adg56451 Novel hum
393	86	100.0	105	8	ADH12717	Adh12717 Novel hum
394	86	100.0	105	8	ADH21110	Adh21110 Human sec
395	86	100.0	105	8	ADG61563	Adg61563 Novel hum
396	86	100.0	105	8	ADH20150	Adh20150 Human sec
397	86	100.0	105	8	ADH28650	Adh28650 Human PRO
398	86	100.0	105	8	ADG54795	Adg54795 Novel hum
399	86	100.0	105	8	ADG59835	Adg59835 Novel hum
400	86	100.0	105	8	ADH43605	Adh43605 Human PRO
401	86	100.0	105	8	ADG34162	Adg34162 Novel hum
402	86	100.0	105	8	ADI81259	Adi81259 Human PRO
403	86	100.0	105	8	ADI33632	Adi33632 Human PRO
404	86	100.0	105	8	ADH69726	Adh69726 Human PRO
405	86	100.0	105	8	ADG10002	Adg10002 Novel hum
406	86	100.0	105	8	ADI15473	Adi15473 Novel hum
407	86	100.0	105	8	ADG09350	Adg09350 Novel hum
408	86	100.0	105	8	ADI14805	Adi14805 Novel hum
409	86	100.0	105	8	ADI29887	Adi29887 Novel hum
410	86	100.0	105	8	ADI18400	Adi18400 Novel hum
411	86	100.0	105	8	ADM27284	Adm27284 Novel hum
412	86	100.0	105	8	ADJ63681	Adj63681 Novel hum
413	86	100.0	105	8	ADJ77576	Adj77576 Human PRO
414	86	100.0	105	8	ADK82950	Adk82950 Human PRO
415	86	100.0	105	8	ADK66642	Adk66642 Human PRO
416	86	100.0	105	8	ADJ65698	Adj65698 Human PRO
417	86	100.0	105	8	ADM27834	Adm27834 Human PRO
418	86	100.0	105	8	ADL66891	Adl66891 Human ext
419	86	100.0	105	8	ADN08155	Adn08155 Human end
420	86	100.0	105	8	ADM42558	Adm42558 Human PRO
421	86	100.0	105	8	ADN41842	Adn41842 Amino aci
422	86	100.0	105	8	ADM28420	Adm28420 Human PRO
423	86	100.0	105	8	ADI95902	Adi95902 Human PRO
424	86	100.0	105	8	ADI96454	Adi96454 Novel hum
425	86	100.0	105	8	ADS86960	Ads86960 Human Zve
426	86	100.0	105	8	ADS00464	Ads00464 Human EG-
427	86	100.0	105	8	ADS86475	Ads86475 Human ZAQ
428	86	100.0	105	8	ADS75493	Ads75493 Human pro
429	86	100.0	105	8	ADS32406	Ads32406 Novel hum
430	86	100.0	105	8	ADT03390	Adt03390 Human PRO
431	86	100.0	105	9	ADY86164	Ady86164 Human EG-
432	86	100.0	105	9	ADZ03441	Adz03441 Human sec
433	86	100.0	105	9	ADZ88922	Adz88922 Human pro
434	86	100.0	105	9	AEA38601	Aea38601 Human sec
435	86	100.0	105	9	AEB14187	Aeb14187 Cancer ce
436	86	100.0	105	9	AEB45588	Aeb45588 Human Zve
437	86	100.0	125	5	ABJ05340	Abj05340 Target fu
438	86	100.0	130	5	ABJ05339	Abj05339 Human PTH
439	85	98.8	85	5	AAE24393	Aae24393 Human pro
440	85	98.8	85	8	ADS75507	Ads75507 Prokineti
441	85	98.8	86	8	ADS75511	Ads75511 Prokineti
442	82	95.3	82	9	ADZ88902	Adz88902 Human pro
443	81	94.2	86	5	AAE24394	Aae24394 Human pro
444	81	94.2	86	8	ADS75508	Ads75508 Prokineti
445	78	90.7	105	3	AAB18473	Aab18473 A human T
446	61	70.9	105	9	ADZ88921	Adz88921 Rhesus mo
447	51	59.3	81	5	AAE24390	Aae24390 Human pro
448	51	59.3	81	7	ADO05371	Ado05371 PK1/PK2 c
449	51	59.3	81	8	ADN43266	Adn43266 Amino aci
450	51	59.3	81	8	ADS75504	Ads75504 Modified
451	51	59.3	81	9	ADW00764	Adw00764 Amino aci
452	51	59.3	81	9	ADZ88907	Adz88907 Human pro
453	49	57.0	105	3	AAB18474	Aab18474 A human T
454	47	54.7	80	3	AAG00617	Aag00617 Human sec
455	47	54.7	81	2	AAY11745	Aay11745 Human 5'
456	47	54.7	86	4	AAB70145	Aab70145 Human G p
457	47	54.7	86	5	AAO15528	Aao15528 Human phy
458	47	54.7	86	5	ABB06305	Abb06305 Human G p
459	47	54.7	86	7	ADD69103	Add69103 Human ZAQ
460	47	54.7	86	8	ADR24004	Adr24004 Human ZAQ
461	47	54.7	86	8	ADS86469	Ads86469 Human ZAQ
462	47	54.7	86	9	ADZ58576	Adz58576 Human ZAQ
463	47	54.7	105	3	AAB18475	Aab18475 A human T
464	47	54.7	105	4	AAB70147	Aab70147 Human G p
465	47	54.7	105	4	AAM79066	Aam79066 Human pro
466	47	54.7	105	5	AAG79596	Aag79596 GSSP4 seq
467	47	54.7	105	5	AAO15526	Aao15526 Human phy
468	47	54.7	105	5	ABB06307	Abb06307 Human G p
469	47	54.7	105	6	ABP75987	Abp75987 Human GEN
470	47	54.7	105	7	ADD69105	Add69105 Human ZAQ
471	47	54.7	105	8	ADS86473	Ads86473 Human ZAQ
472	40	46.5	86	5	AAE24391	Aae24391 Human pro
473	40	46.5	86	7	ADO05372	Ado05372 PK2/PK1 c
474	40	46.5	86	8	ADN43267	Adn43267 Amino aci
475	40	46.5	86	8	ADS75505	Ads75505 Modified
476	40	46.5	86	9	ADW00765	Adw00765 Amino aci
477	40	46.5	86	9	ADZ88908	Adz88908 Human pro
478	38	44.2	105	6	ABP76151	Abp76151 Human GEN
479	38	44.2	105	6	ABP75986	Abp75986 Human GEN
480	29	33.7	86	5	ABB99156	Abb99156 Rat ZAQ p
481	29	33.7	86	5	ABB99155	Abb99155 Rat ZAQ p
482	29	33.7	86	5	ABB99154	Abb99154 Rat ZAQ p
483	29	33.7	86	5	ABB06961	Abb06961 Rat G pro
484	29	33.7	86	5	ABB06959	Abb06959 Rat G pro
485	29	33.7	86	5	ABB06960	Abb06960 Rat G pro
486	29	33.7	86	7	ADD69164	Add69164 Rat ZAQ-r
487	29	33.7	86	7	ADD69160	Add69160 Rat ZAQ-r
488	29	33.7	86	7	ADD69162	Add69162 Rat ZAQ-r
489	29	33.7	86	8	ADN43261	Adn43261 Amino aci
490	29	33.7	86	8	ADS86481	Ads86481 Rat ZAQ l
491	29	33.7	86	8	ADS86483	Ads86483 Rat ZAQ l
492	29	33.7	86	8	ADS86485	Ads86485 Rat ZAQ l
493	29	33.7	86	8	ADS75521	Ads75521 Modified
494	29	33.7	105	5	ABB99153	Abb99153 Rat ZAQ p
495	29	33.7	105	5	ABB99152	Abb99152 Rat ZAQ p
496	29	33.7	105	5	ABB99151	Abb99151 Rat ZAQ p
497	29	33.7	105	5	ABB06957	Abb06957 Rat G pro
498	29	33.7	105	5	ABB06958	Abb06958 Rat G pro
499	29	33.7	105	5	ABB06956	Abb06956 Rat G pro
500	29	33.7	105	7	ADD69154	Add69154 Rat ZAQ-r

ALIGNMENTS

RESULT 1
AAB70146
ID AAB70146 standard; protein; 86 AA.
XX
AC AAB70146;
XX
DT 29-MAY-2001 (first entry)
XX
DE Human G protein-coupled receptor protein-related sequence #2.
XX
KW Human; G protein-coupled receptor protein; nootropic; neuroprotective;
KW hypotensive; orexigenic; antiallergic; antianginal; antimicrobial;
KW antibacterial; gene therapy; Alzheimer's disease; hypertension; anorexia;
KW allergy; angina pectoris; infection; MRSA;
KW multiple resistant Staphylococcus aureus.
XX
OS Homo sapiens.
XX
PN WO200116309-A1.
XX
PD 08-MAR-2001.
XX
PF 24-AUG-2000; 2000WO-JP005685.
XX
PR 27-AUG-1999; 99JP-00241531.
PR 18-JUL-2000; 2000JP-00217474.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Watanabe T, Terao Y, Shintani Y;

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XX
DR   WPI; 2001-226684/23.
XX
PT   New human brain-originated guanosine triphosphate protein-coupled
PT   receptor protein, its salt and encoded gene, useful in (gene) diagnosis
PT   and development of preventives and remedies for Alzheimer's disease,
PT   hypertension and anorexia.
XX
PS   Example 4; Fig 9; 119pp; Japanese.
XX
CC   The present sequence is provided in a specification relating to a protein
CC   or its salt with an amino acid sequence identical or substantially
CC   similar to a fully defined sequence of 393 amino acids as given in the
CC   specification. The protein is useful in gene diagnosis and development of
CC   preventives and remedies for diseases associated with dysfunction of the
CC   protein, e.g. Alzheimer's disease, hypertension, anorexia, allergy,
CC   angina pectoris and infections (e.g. multiple resistant Staphylococcus
CC   aureus. The proteins and DNA encoding the proteins are also useful for
CC   the treatment of these diseases by gene therapy
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 2
ABB76801
ID   ABB76801 standard; protein; 86 AA.
XX
AC   ABB76801;
XX
DT   19-JUN-2002  (first entry)
XX
DE   Human ZAQ-1.
XX
KW   Recombinant protein production; drug; reagent; food stuff.
XX
OS   Homo sapiens.
XX
PN   WO200208417-A1.
XX
PD   31-JAN-2002.
XX
PF   25-JUL-2001; 2001WO-JP006392.
XX
PR   25-JUL-2000; 2000JP-00229064.
XX
PA   (TAKE ) TAKEDA CHEM IND LTD.
XX
PI   Ito T,  Tanaka Y,  Kondo M;
XX
DR   WPI; 2002-179906/23.
XX
PT   Production of recombinant proteins in prokaryotes or eukaryotes
PT   particularly with target proteins obtainable through gene recombination
PT   technique, for use as drugs, reagents, raw materials for industries and
PT   feeding stuffs.
XX
PS   Disclosure; Page 133; 137pp; Japanese.
XX
CC   The present invention relates to a method for producing recombinant
CC   proteins. The method comprises preparing a recombinant vector for
CC   transforming a host cell before culturing the obtained transformant,
CC   assaying expression of the reporter gene and confirming high expression
CC   of the reporter gene. The recombinant proteins are useful as drugs,
CC   reagents, raw materials for industries and feeding stuffs. Also, the
CC   proteins are obtainable on large-scale production. The present sequence
CC   was used to illustrate the invention
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 3
ABJ05338
ID   ABJ05338 standard; protein; 86 AA.
XX
AC   ABJ05338;
XX
DT   08-NOV-2002  (first entry)
XX
DE   Human ZAQ protein ligand.
XX
KW   Target peptide production; fusion peptide; protease-susceptible linker;
KW   parathyroid hormone; PTH; high expression rate;
KW   pharmaceutical application.
XX
OS   Homo sapiens.
XX
PN   WO200236762-A1.
XX
PD   10-MAY-2002.
XX
PF   29-OCT-2001; 2001WO-JP009476.
XX
PR   30-OCT-2000; 2000JP-00331170.
PR   27-JUN-2001; 2001JP-00195522.
XX
PA   (TAKE ) TAKEDA CHEM IND LTD.
XX
PI   Yamada T,  Suenaga M;
XX
DR   WPI; 2002-417275/44.
DR   N-PSDB; ABT06826.
XX
PT   Production of target peptide comprises cleavage of fusion peptide with
PT   parathyroid hormone peptide for efficient manufacture of target peptide
PT   without the need to remove N-terminal methionine.
XX
PS   Claim 14; Page 16; 103pp; Japanese.
XX
CC   The invention comprises a method of producing a target peptide. The C-
CC   terminal end of the target peptide is fused via a protease-susceptible
CC   linker to parathyroid hormone (PTH) residues 1-34. The method of the
CC   invention is useful for the clean and efficient production of a target
CC   peptide at a high expression rate on an industrial scale without the need
CC   to remove the N-terminal methionine from the product. The peptides
CC   produced by the method of the invention are suitable for pharmaceutical
CC   and other uses. The present protein sequence was used in the invention
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 4
AAO15529
ID AAO15529 standard; protein; 86 AA.
XX
AC AAO15529;
XX
DT 24-OCT-2002 (first entry)
XX
DE Human physiologically-active ZAQ ligand-related protein 4.
XX
KW Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;
KW colitis; diarrhoea.
XX
OS Homo sapiens.
XX
PN WO200257443-A1.
XX
PD 25-JUL-2002.
XX
PF 21-JAN-2002; 2002WO-JP000378.
XX
PR 22-JAN-2001; 2001JP-00013027.
PR 17-MAY-2001; 2001JP-00147759.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Yamada T, Suenaga M, Nishimura O;
XX
DR WPI; 2002-566801/60.
XX
PT Industrial production of physiologically-active ZAQ ligand by expressing
PT in transformant prokaryote and refolding in redox buffer, for use in
PT preventing or treating digestive diseases e.g. colitis and diarrhea.
XX
PS Claim 2; Page 79; 93pp; Japanese.
XX
CC The invention comprises a method for producing an active peptide that has
CC the same activity as a ZAQ ligand isolated from eukaryotic cells. The
CC method of the invention is useful for the production of a physiologically
CC -active ZAQ ligand for use in preventing or treating digestive diseases
CC (e.g. colitis and diarrhea). The present amino acid sequence represents a
CC human physiologically active ZAQ ligand-related protein
XX
SQ Sequence 86 AA;

```
  Query Match             100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 5
ABB06306
ID ABB06306 standard; protein; 86 AA.
XX
AC ABB06306;
XX
DT 27-MAY-2002 (first entry)
XX
DE Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:21.
XX
KW G protein-coupled receptor; ZAQ ligand; physiologically active peptide;
KW ZAQ; antidiarrheic; laxative; drug development; digestive disease;
KW colitis; diarrhoea; constipation; poor-absorption syndrome; gene therapy.
XX
OS Homo sapiens.
XX
PN WO200206483-A1.
XX
PD 24-JAN-2002.
XX
PF 17-JUL-2001; 2001WO-JP006162.
XX
PR 18-JUL-2000; 2000JP-00217442.
PR 02-FEB-2001; 2001JP-00026779.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Ohtaki T, Masuda Y, Takatsu Y, Watanabe T, Terao Y, Shintani Y;
PI Hinuma S;
XX
DR WPI; 2002-188546/24.
DR N-PSDB; ABL49635.
XX
PT Physiologically-active peptides from cows milk, useful for developing
PT drugs to treat ZAQ-mediated diseases, particularly digestive diseases
PT like colitis, diarrhea, constipation and poor-absorption syndrome, by
PT gene therapy.
XX
PS Claim 1; Fig 9; 191pp; Japanese.
XX
CC The present invention describes a peptide containing an amino acid
CC sequence (I) identical to or substantially similar to that of the
CC sequences in ABB06305 or ABB06306, or its salt. (I) has antidiarrheic and
CC laxative activities. The peptides and encoding DNAs from the present
CC invention are useful for developing drugs to treat digestive diseases
CC like colitis, diarrhoea, constipation and poor-absorption syndrome,
CC including gene therapy. The physiologically-active cows milk-originated
CC peptides are applicable as a specific ligand of brain-originated orphan G
CC protein-coupled receptor protein ZAQ. ABL49615 to ABB40659 and ABB06303
CC to ABB06315 represent sequences used in the exemplification of the
CC present invention
XX
SQ Sequence 86 AA;

```
  Query Match             100.0%;  Score 86;  DB 5;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
```

RESULT 6
AAE24383
ID AAE24383 standard; protein; 86 AA.
XX
AC AAE24383;
XX
DT 04-OCT-2002 (first entry)
XX
DE Human prokineticin 1 mature protein.
XX
KW Human; prokineticin 1; gastrointestinal motility; intestinal cancer;

KW irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW inflammatory bowel disorder; analgesic; infectious disease.
XX
OS Homo sapiens.
XX
PN WO200236625-A2.
XX
PD 10-MAY-2002.
XX
PF 01-NOV-2001; 2001WO-US047969.
XX
PR 03-NOV-2000; 2000US-0245882P.
XX
PA (REGC) UNIV CALIFORNIA.
XX
PI Zhou Q, Ehlert FJ;
XX
DR WPI; 2002-479752/51.
DR N-PSDB; AAD39321.
XX
PT New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT gastrointestinal smooth muscle contraction, useful for improving impaired
PT gastrointestinal motility in irritable bowel syndrome, chronic
PT constipation.
XX
PS Claim 1; Page 79-80; 86pp; English.
XX
CC The invention relates to human prokineticin 1 and 2 polypeptides that
CC stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC molecules encoding such polypeptides. Polypeptides of the invention are
CC useful for treating disorders involving impaired gastrointestinal
CC motility. They are useful for stimulating gastrointestinal motility in
CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC operational ileus, chronic constipation and gastrointestinal reflux
CC disease. The prokineticin antagonists are useful for inhibiting
CC gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC disorders, inflammatory bowel disorders, infectious diseases and
CC intestinal cancers. The antagonists also act as analgesics. The present
CC sequence is human prokineticin 1 mature protein
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 7
ADD69104
ID ADD69104 standard; protein; 86 AA.
XX
AC ADD69104;
XX
DT 15-JAN-2004 (first entry)
XX
DE Human ZAQ-related protein - SEQ ID 82.
XX
KW angiogenesis inhibitor; cytostatic; antiinflammatory; cancer;
KW ovarian disease; diabetic retinopathy; inflammatory; ZAQ; Bv8; I5E;
KW human.
XX
OS Homo sapiens.
XX
PN WO2003066860-A1.
XX
PD 14-AUG-2003.
XX
PF 03-FEB-2003; 2003WO-JP001057.
XX
PR 04-FEB-2002; 2002JP-00027299.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Ohtaki T, Masuda Y, Takatsu Y;
XX
DR WPI; 2003-646310/61.
DR N-PSDB; ADD69110.
XX
PT Angiogenesis inhibitors for treatment and prevention of cancer, ovarian
PT diseases and inflammatory disease.
XX
PS Claim 1; SEQ ID NO 82; 308pp; Japanese.
XX
CC The invention relates to a novel angiogenesis inhibitor comprising a
CC compound that inhibits the activity of an amino acid sequence given in
CC the specification. Angiogenesis-related proteins Bv8, ZAQ and I5E were
CC utilised within the method of the invention. The molecules of the
CC invention demonstrate cytostatic and antiinflammatory activities whilst
CC the method may be useful for treatment and prevention of cancer, ovarian
CC diseases, diabetic retinopathy and inflammatory disease. The current
CC sequence is that of the human ZAQ-related protein of the invention.
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 7; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 8
ADO05360
ID ADO05360 standard; protein; 86 AA.
XX
AC ADO05360;
XX
DT 01-JUL-2004 (first entry)
XX
DE Human prokineticin 1 (PK1), SEQ ID NO:9.
XX
KW Human; prokineticin 1; PK1; circadian rhythm; modulation; drug screening;
KW circadian rhythm disorder; non-24-hour sleep-wake syndrome;
KW rapid time-zone change syndrome; jetlag; work-shift syndrome;
KW delayed phase sleep syndrome; advanced sleep phase syndrome;
KW irregular sleep-wake pattern syndrome; decreased amplitude syndrome;
KW seasonal affective disorder; ultradian rhythm; daydreaming; urination;
KW hunger; infardian rhythm; female sexual receptivity; CNS;
KW central nervous syndrome; PK2 receptor antagonist; PK2 receptor agonist.
XX
OS Homo sapiens.
XX
PN WO2003088904-A2.
XX
PD 30-OCT-2003.
XX
PF 15-APR-2003; 2003WO-US011538.
XX
PR 15-APR-2002; 2002US-0372836P.
XX
PA (REGC) UNIV CALIFORNIA.

```
XX
PI   Zhou Q,  Bullock CM;
XX
DR   WPI; 2003-854028/79.
XX
PT   Screening for compounds for modulating circadian rhythm, for treating
PT   seasonal disorders, comprises determining ability of prokineticin-2
PT   receptor antagonist or agonist to modulate one or more circadian rhythm
PT   function indicia.
XX
PS   Disclosure; SEQ ID NO 9; 164pp; English.
XX
CC   The invention relates to a method of screening for a compound for its
CC   ability to modulate circadian rhythm. The method involved determining the
CC   ability of a prokineticin 2 (PK2) receptor agonist or antagonist to
CC   modulate one or more indicia or circadian rhythm function. The compound
CC   is identified as being a PK2 receptor agonist or antagonist by
CC   determining its effect on a predetermined signal such as calcium
CC   mobilisation produced by the interaction of PK2 and a receptor selected
CC   from the PK2 receptor (e.g., ADO05353) or the PK1 receptor (e.g.,
CC   ADO05355). The invention is based on the findings that PK2 expression in
CC   the suprachiasmatic nucleus (SCN) oscillates in a circadian fashion, and
CC   that PK2 receptor activation modulates circadian rhythm in rats. The
CC   invention also relates to a method of modulating the circadian rhythm of
CC   an animal by administration of a PK2 receptor antagonist or agonist; a
CC   composition comprising a detectably labelled PK2 and an isolated mouse
CC   PK2 receptor; nucleic acid constructs, vectors and host cells comprising
CC   a PK2 gene promoter (ADO05365-ADO05369) operably linked to a heterologous
CC   nucleotide sequence; use of such constructs to identify modulators of
CC   circadian rhythm and for the light regulated expression of a nucleic acid
CC   molecule in an animal; and oligonucleotides at least 17 bases in length
CC   which are able to hybridise to the human PK2 promoter ADO05365. The
CC   methods of the invention are useful for identifying compounds for
CC   modulating circadian rhythm. Such modulators include PK2 receptor
CC   antagonists which promote sleep, and PK2 receptor agonists which promote
CC   alertness. The circadian rhythm modulators may be used in the treatment
CC   of circadian rhythm disorders such as non-24-hour sleep-wake syndrome,
CC   rapid time-zone change syndrome (jetlag), work-shift syndrome, delayed
CC   phase sleep syndrome, advanced sleep phase syndrome, irregular sleep-wake
CC   pattern syndrome, syndrome associated with decreased amplitude, and
CC   seasonal affective disorder. They may also be used for modulating
CC   biological rhythms with a periodicity of less than 24 hours (ultradian
CC   rhythm) such as daydreaming, urination or hunger, or those with a
CC   periodicity of more than 24 hours (infardian rhythm) such as sexual
CC   receptivity (heat) in female animals. The present sequence represents
CC   human PK1.
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 7;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 9
ADN43256
ID   ADN43256 standard; protein; 86 AA.
XX
AC   ADN43256;
XX
DT   15-JUL-2004  (first entry)
XX
DE   Amino acid sequence of human prokineticin 1 (PK1).
XX
KW   neurogenesis; prokineticin receptor; PKR; neural stem; progenitor cell;
KW   neural regeneration; Alzheimer's disease; Parkinson's disease;
KW   neurodegenerative disease; prokineticin 1; PK1.
XX
OS   Homo sapiens.
XX
PN   WO2004032851-A2.
XX
PD   22-APR-2004.
XX
PF   03-OCT-2003; 2003WO-US031626.
XX
PR   04-OCT-2002; 2002US-0416202P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q,  Cheng MY;
XX
DR   WPI; 2004-340794/31.
XX
PT   Identifying a compound that modulates neurogenesis comprises contacting a
PT   neural stem or progenitor cell with a compound that modulates
PT   prokineticin receptor signaling and determining its ability to modulate
PT   neurogenesis.
XX
PS   Claim 26; Fig 6B; 103pp; English.
XX
CC   The specification describes a method for identifying a compound that
CC   modulates neurogenesis. The method comprises providing a compound that
CC   modulates prokineticin receptor (PKR) signaling, contacting a neural stem
CC   or progenitor cell with the compound, and determining the ability of the
CC   compound to modulate neurogenesis. The method is useful for modulating
CC   neurogenesis or for identifying compounds that modulate neurogenesis.
CC   These are used for both ex vivo or in vivo therapeutic applications where
CC   neural regeneration is desirable, such as in Alzheimer's disease,
CC   Parkinson's disease or other debilitating neurodegenerative diseases. The
CC   present sequence represents human prokineticin 1 (PK1), which may be used
CC   in the method of the invention to modulate neurogenesis.
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 8;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 10
ADR24003
ID   ADR24003 standard; protein; 86 AA.
XX
AC   ADR24003;
XX
DT   21-OCT-2004  (first entry)
XX
DE   Human ZAQ-1 ligand protein #1.
XX
KW   antiangiogenic; antialcoholic; antiarrhythmic; antiarteriosclerotic;
KW   anticonvulsant; antidepressant; antidiabetic; anti-HIV; antimanic;
KW   antiparkinsonian; cerebroprotective; cytostatic; eating disorders;
KW   endocrine; gastrointestinal; gynecological; hypnotic; hypotensive;
KW   neuroleptic; neuroprotective; nootropic; ophthalmological; tranquilizer;
KW   vasotropic; vulnerary; monoclonal antibody; human; ZAQL-1; ligand;
KW   hybridoma cell; assay; diagnosis; endometrial cancer; endometriosis;
KW   ovulation disorder; digestive disease; angiogenesis; pregnancy;
KW   eating disorder; sleeping disorder; seasonal depression;
KW   reproductive dysfunction; endocrine disease; senile dementia;
```

KW Alzheimer's disease; aging; cerebral circulatory disorder; head trauma;
KW spinal injury; epilepsy; anxiety; depression; schizophrenia; alcoholism;
KW Parkinson's disease; hypertension; arteriosclerosis; arrhythmia;
KW premenstrual disorder syndrome; glaucoma; AIDS; diabetes.
XX
OS Homo sapiens.
XX
PN WO2004065419-A1.
XX
PD 05-AUG-2004.
XX
PF 21-JAN-2004; 2004WO-JP000498.
XX
PR 22-JAN-2003; 2003JP-00014055.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Matsumoto H, Horikoshi Y, Masuda Y, Ohtaki T;
XX
DR WPI; 2004-593431/57.
XX
PT New monoclonal antibody having high avidity to human ZAQL-1 polypeptide,
PT useful for preventing, treating or diagnosing diseases such as
PT endometrial cancer, ovulation disorders, Alzheimer's disease, AIDS,
PT Parkinson's disease and diabetes.
XX
PS Claim 1; SEQ ID NO 1; 64pp; Japanese.
XX
CC The invention relates to a monoclonal antibody (I) having high avidity to
CC human ZAQL-1 ligand polypeptides, comprising either of two fully defined
CC sequences of 86 amino acids (S1). (I) is ZL1-107a or ZL1-234a produced
CC from hybridoma cells ZL1-107 FERM BP-8256 or ZL1-234 FERM BF-8257. (I) is
CC useful for carrying out assay of the polypeptide containing (S1) which
CC involves reacting (I) with the test-liquid containing the polypeptide or
CC its salt, and measuring the ratio of the polypeptide bound to (I). (I) is
CC useful as a diagnostic or therapeutic agent for diagnosis and/or
CC treatment of diseases such as endometrial cancer, endometriosis or
CC ovulation disorders, digestive diseases, diseases associated with
CC angiogenesis, diseases relating to pregnancy, eating disorder, sleeping
CC disorder, seasonal depression, reproductive dysfunction, endocrine
CC diseases, senile dementia, Alzheimer's disease, various disorders caused
CC by aging, cerebral circulatory disorder, head trauma, spinal injury,
CC epilepsy, anxiety, depression, manic depression, schizophrenia,
CC alcoholism, Parkinson's disease, hypertension, arteriosclerosis,
CC arrhythmia, premenstrual disorder syndrome, glaucoma, AIDS, diabetes,
CC etc. This sequence corresponds to a ZAQ-1 ligand used in the invention.
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 8; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 11
ADS86471
ID ADS86471 standard; protein; 86 AA.
XX
AC ADS86471;
XX
DT 30-DEC-2004 (first entry)
XX
DE Human ZAQ ligand protein related to eating disorders & obesity Seq 3.
XX
KW food intake regulator; ZAQ ligand; eating disorder; obesity; anabolic;
KW anorectic; sominopathy; anorexia; hyperphagia; primary sleeplessness;
KW malignant mastocytosis.
XX
OS Homo sapiens.
XX
PN WO2004084945-A1.
XX
PD 07-OCT-2004.
XX
PF 25-MAR-2004; 2004WO-JP004186.
XX
PR 27-MAR-2003; 2003JP-00086816.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Ohtaki T, Kumano S;
XX
DR WPI; 2004-728618/71.
DR N-PSDB; ADS86472.
XX
PT Food intake regulator useful for treating eating disorders such as
PT sominopathy, hyperphagia, or obesity, has compound or its salt which
PT inhibits or promotes activity of peptide such as ZAQ ligand peptide and
PT BV8 peptide containing.
XX
PS Claim 1; SEQ ID NO 3; 210pp; Japanese.
XX
CC This invention relates to a novel method and compositions to control
CC eating. Specifically, it refers to food intake regulators that contain a
CC compound or salts thereof that inhibit or promote the activity of the ZAQ
CC ligand peptide or the BV8 peptide or alternatively modulate the ZAQ
CC receptor or 15E receptor. The present invention describes a preventative
CC or therapeutic agent of an eating disorder or obesity that exhibits
CC anabolic and anorectic activities. As such, they can be used to treat
CC eating disorders including sominopathy, anorexia, hyperphagia and primary
CC sleeplessness and diseases associated with obesity including malignant
CC mastocytosis, exogenous obesity, hyperinsulinar obesity, hyperplasmic
CC obesity, hypophysial obesity, reduced plasma obesity, hypothyroidism
CC obesity, hypothalamus related obesity, symptomatic obesity, infantile
CC obesity, upper body obesity, alimentary obesity, hypogonadism related
CC obesity, systemic mastocytosis, simple obesity, central obesity. This
CC polypeptide sequence is a human ZAQ ligand protein of the invention.
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 8; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 12
ADS75494
ID ADS75494 standard; protein; 86 AA.
XX
AC ADS75494;
XX
DT 30-DEC-2004 (first entry)
XX
DE Human prokineticin 1 receptor protein.
XX
KW gastric acid; pepsinogen secretion; prokineticin; PK; receptor;
KW gastrointestinal; gene therapy; ulcer; reflux oesophagitis; PK1.
XX
OS Homo sapiens.
XX

PN WO2004087054-A2.
XX
PD 14-OCT-2004.
XX
PF 25-MAR-2004; 2004WO-US009255.
XX
PR 25-MAR-2003; 2003US-0457891P.
XX
PA (REGC) UNIV CALIFORNIA.
XX
PI Zhou Q;
XX
DR WPI; 2004-729162/71.
XX
PT Modulating gastric acid or pepsinogen secretion for treating ulcer or
PT reflux esophagitis by administering a prokineticin receptor antagonist to
PT alter one or more indicia of gastric acid or pepsinogen secretion.
XX
PS Claim 1; SEQ ID NO 3; 89pp; English.
XX
CC The invention relates to a novel method for modulating gastric acid or
CC pepsinogen secretion. The method comprises administering a prokineticin
CC (PK) receptor antagonist to alter one or more indicia of gastric acid or
CC pepsinogen secretion. The invention further comprises a method for
CC screening for a compound for modulating gastric acid or pepsinogen
CC secretion in a mammal. The compound of the invention has gastrointestinal
CC activity. Compounds identified by the screening method may be used in
CC gene therapy. The method is useful in modulating gastric acid or
CC pepsinogen secretion for treating ulcer or reflux oesophagitis. This
CC sequence represents a human prokineticin 1 receptor protein of the
CC invention.
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 8; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 13
ADW00759
ID ADW00759 standard; protein; 86 AA.
XX
AC ADW00759;
XX
DT 10-MAR-2005 (first entry)
XX
DE Amino acid sequence of human prokineticin 1 (PK1).
XX
KW antiangiogenic; gastrointestinal-Gen.; muscular-Gen.; relaxant; CNS-Gen.;
KW prokineticin receptor; PKR; PKR2; PKR1; long isoform; short isoform;
KW gastro-intestinal smooth muscle contraction; circadian rhythm function;
KW angiogenesis; gastric acid secretion; pepsinogen secretion;
KW prokineticin 1; PK1.
XX
OS Homo sapiens.
XX
PN WO2004113361-A2.
XX
PD 29-DEC-2004.
XX
PF 18-JUN-2004; 2004WO-US019870.
XX
PR 20-JUN-2003; 2003US-0480239P.
XX
PA (REGC) UNIV CALIFORNIA.
XX
PI Zhou Q;
XX
DR WPI; 2005-048810/05.
XX
PT Novel isolated short and long isoforms of two forms of prokineticin
PT receptor (PKR) polypeptide, e.g., PKR2 long isoform, PKR2 short isoform
PT and PKR1 short isoform polypeptides, useful for identifying PKR1 and PKR2
PT agonists/antagonists.
XX
PS Disclosure; Fig 2; 42pp; English.
XX
CC The specification describes short and long isoforms of two forms of
CC prokineticin receptor (PKR), PKR2 and PKR1. PKR polypeptides are useful
CC for identifying PKR1 and PKR2 agonists or antagonists. PKR polypeptides
CC are useful for drug discovery and diagnostic testing, and as drug targets
CC or as diagnostic markers. Antibodies binding long or short isoforms of
CC PKR2 are useful for therapeutic applications for blocking the activity of
CC PKR, and for modulating gastro-intestinal smooth muscle contraction or
CC motility, circadian rhythm function, angiogenesis or gastric acid or
CC pepsinogen secretion. The present sequence represents prokineticin 1
CC (PK1), a PKR agonist.
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 9; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86

RESULT 14
ADZ58575
ID ADZ58575 standard; protein; 86 AA.
XX
AC ADZ58575;
XX
DT 14-JUL-2005 (first entry)
XX
DE Human ZAQL-1 amino acid sequence - SEQ ID 2.
XX
KW monoclonal antibody; cerebrovascular disease; senile dementia; nootropic;
KW Alzheimers disease; neuroprotective; parkinsons disease;
KW antiparkinsonian; cerebrovascular ischemia; cerebroprotective;
KW vasotropic; psychiatric disorder; insomnia; sedative; schizophrenia;
KW neuroleptic; phobia; tranquilizer; obesity; anorectic; arteriosclerosis;
KW antiarteriosclerotic; diabetes; antidiabetic; anorexia nervosa; anabolic;
KW eating-disorders-gen.; ZAQL-1.
XX
OS Homo sapiens.
XX
PN WO2005037870-A1.
XX
PD 28-APR-2005.
XX
PF 21-OCT-2004; 2004WO-JP015961.
XX
PR 22-OCT-2003; 2003JP-00361639.
XX
PA (TAKE) TAKEDA PHARM CO LTD.
XX
PI Matsumoto H, Noguchi J, Masuda Y;
XX
DR WPI; 2005-322854/33.
XX

```
PT   Novel monoclonal antibody capable of specifically reacting with human
PT   ZAQL-2 polypeptide or its salt, useful for diagnosing and treating
PT   diseases such as Alzheimer's disease and mental illness.
XX
PS   Claim 3; SEQ ID NO 2; 51pp; Japanese.
XX
CC   The invention comprises a monoclonal antibody which is capable of
CC   specifically recognizes human ZAQL-2 protein. The monoclonal antibody of
CC   the invention is useful in the diagnosis and treatment of a human ZAQL-2-
CC   related disease, such as: cerebral diseases (e.g. senile dementia, or
CC   Alzheimer's disease), cerebral-circulation failure (e.g. cerebral
CC   apoplexy), mental illness (e.g., insomnia, schizophrenia, or phobia),
CC   mobility impairment (e.g. Parkinson's disease), obesity,
CC   arteriosclerosis, diabetes, anorexia, endocrinopathy, and hyperphagia.
CC   The present amino acid sequence represents a human ZAQL-1 protein.
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 9;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 15
AEB45594
ID   AEB45594 standard; protein; 86 AA.
XX
AC   AEB45594;
XX
DT   22-SEP-2005  (first entry)
XX
DE   Human Zven2 protein fragment.
XX
KW   Therapeutic; gastroparesis; intestinal pseudo-obstruction; ileus;
KW   gastrointestinal-gen.; gastrointestinal disease; dyspepsia;
KW   gastroesophageal reflux; antiinflammatory; constipation; laxative; Zven2.
XX
OS   Homo sapiens.
XX
PN   US2005153322-A1.
XX
PD   14-JUL-2005.
XX
PF   16-NOV-2004; 2004US-00990246.
XX
PR   16-NOV-1999;   99US-0165905P.
PR   25-FEB-2000; 2000US-0184875P.
PR   19-APR-2000; 2000US-0197750P.
PR   07-JUN-2000; 2000US-0210332P.
PR   14-NOV-2000; 2000US-00712529.
PR   02-AUG-2002; 2002US-00212355.
XX
PA   (ZYMO ) ZYMOGENETICS INC.
XX
PI   Sheppard PO,  Bishop PD;
XX
DR   WPI; 2005-521165/53.
XX
PT   Stimulating gastrointestinal contractility, gastric emptying or
PT   intestinal transit, and treating gastroparesis such as post-operative
PT   ileus or paralytic ileus in mammal, involves administering Zven
PT   polypeptide to mammal.
XX
PS   Claim 18; Page; 40pp; English.
XX
CC   The invention relates to a method for stimulating gastrointestinal
CC   contractility, gastric emptying or intestinal transit and for treating
CC   gastroparesis which involves administering Zven polypeptide to a mammal.
CC   The method is useful for stimulating gastrointestinal contractility,
CC   gastric emptying or intestinal transit and for treating gastroparesis in
CC   a mammal, where the gastroparesis is related to surgery or not related to
CC   surgery. The gastroparesis is post-operative ileus or paralytic ileus,
CC   related to diabetes, intestinal pseudo-obstruction, chronic constipation,
CC   dyspepsia, gastroesophageal reflux or paralytic gastroparesis. The
CC   present sequence is the human Zven2 protein fragment.
XX
SQ   Sequence 86 AA;

  Query Match             100.0%;  Score 86;  DB 9;  Length 86;
  Best Local Similarity   100.0%;  Pred. No. 2.9e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86


RESULT 16
AAE24395
ID   AAE24395 standard; protein; 87 AA.
XX
AC   AAE24395;
XX
DT   04-OCT-2002  (first entry)
XX
DE   Human prokineticin 1 mutant protein #4.
XX
KW   Human; prokineticin 1; gastrointestinal motility; intestinal cancer;
KW   irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW   diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW   inflammatory bowel disorder; analgesic; infectious disease; mutant;
KW   mutein.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO200236625-A2.
XX
PD   10-MAY-2002.
XX
PF   01-NOV-2001; 2001WO-US047969.
XX
PR   03-NOV-2000; 2000US-0245882P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q,  Ehlert FJ;
XX
DR   WPI; 2002-479752/51.
XX
PT   New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT   gastrointestinal smooth muscle contraction, useful for improving impaired
PT   gastrointestinal motility in irritable bowel syndrome, chronic
PT   constipation.
XX
PS   Example 1; Page 85-86; 86pp; English.
XX
CC   The invention relates to human prokineticin 1 and 2 polypeptides that
CC   stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC   molecules encoding such polypeptides. Polypeptides of the invention are
CC   useful for treating disorders involving impaired gastrointestinal
CC   motility. They are useful for stimulating gastrointestinal motility in
CC   disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC   operational ileus, chronic constipation and gastrointestinal reflux
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CC   disease. The prokineticin antagonists are useful for inhibiting
CC   gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC   disorders, inflammatory bowel disorders, infectious diseases and
CC   intestinal cancers. The antagonists also act as analgesics. The present
CC   sequence is human prokineticin 1 mutant protein
XX
SQ   Sequence 87 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 17
ADS75509
ID   ADS75509 standard; protein; 87 AA.
XX
AC   ADS75509;
XX
DT   30-DEC-2004  (first entry)
XX
DE   Prokineticin receptor antagonist Met PK1.
XX
KW   gastric acid; pepsinogen secretion; prokineticin; PK; receptor;
KW   gastrointestinal; gene therapy; ulcer; reflux oesophagitis.
XX
OS   Synthetic.
XX
PN   WO2004087054-A2.
XX
PD   14-OCT-2004.
XX
PF   25-MAR-2004; 2004WO-US009255.
XX
PR   25-MAR-2003; 2003US-0457891P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q;
XX
DR   WPI; 2004-729162/71.
XX
PT   Modulating gastric acid or pepsinogen secretion for treating ulcer or
PT   reflux esophagitis by administering a prokineticin receptor antagonist to
PT   alter one or more indicia of gastric acid or pepsinogen secretion.
XX
PS   Claim 5; SEQ ID NO 18; 89pp; English.
XX
CC   The invention relates to a novel method for modulating gastric acid or
CC   pepsinogen secretion. The method comprises administering a prokineticin
CC   (PK) receptor antagonist to alter one or more indicia of gastric acid or
CC   pepsinogen secretion. The invention further comprises a method for
CC   screening for a compound for modulating gastric acid or pepsinogen
CC   secretion in a mammal. The compound of the invention has gastrointestinal
CC   activity. Compounds identified by the screening method may be used in
CC   gene therapy. The method is useful in modulating gastric acid or
CC   pepsinogen secretion for treating ulcer or reflux oesophagitis. This
CC   sequence represents a prokineticin receptor antagonist of the invention.
XX
SQ   Sequence 87 AA;

  Query Match             100.0%;  Score 86;  DB 8;  Length 87;
  Best Local Similarity   100.0%;  Pred. No. 3e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          2 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 61

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         62 CLPNLLCSRFPDGRYRCSMDLKNINF 87


RESULT 18
AAE24392
ID   AAE24392 standard; protein; 89 AA.
XX
AC   AAE24392;
XX
DT   04-OCT-2002  (first entry)
XX
DE   Human prokineticin 1 mutant protein #1.
XX
KW   Human; prokineticin 1; gastrointestinal motility; intestinal cancer;
KW   irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW   diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW   inflammatory bowel disorder; analgesic; infectious disease; mutant;
KW   mutein.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO200236625-A2.
XX
PD   10-MAY-2002.
XX
PF   01-NOV-2001; 2001WO-US047969.
XX
PR   03-NOV-2000; 2000US-0245882P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q,  Ehlert FJ;
XX
DR   WPI; 2002-479752/51.
XX
PT   New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT   gastrointestinal smooth muscle contraction, useful for improving impaired
PT   gastrointestinal motility in irritable bowel syndrome, chronic
PT   constipation.
XX
PS   Example 1; Page 84; 86pp; English.
XX
CC   The invention relates to human prokineticin 1 and 2 polypeptides that
CC   stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC   molecules encoding such polypeptides. Polypeptides of the invention are
CC   useful for treating disorders involving impaired gastrointestinal
CC   motility. They are useful for stimulating gastrointestinal motility in
CC   disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC   operational ileus, chronic constipation and gastrointestinal reflux
CC   disease. The prokineticin antagonists are useful for inhibiting
CC   gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC   disorders, inflammatory bowel disorders, infectious diseases and
CC   intestinal cancers. The antagonists also act as analgesics. The present
CC   sequence is human prokineticin 1 mutant protein
XX
SQ   Sequence 89 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 3e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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                    ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89


RESULT 19
ADS75506
ID   ADS75506 standard; protein; 89 AA.
XX
AC   ADS75506;
XX
DT   30-DEC-2004  (first entry)
XX
DE   Prokineticin receptor related synthetic construct protein, SEQ ID 15.
XX
KW   gastric acid; pepsinogen secretion; prokineticin; PK; receptor;
KW   gastrointestinal; gene therapy; ulcer; reflux oesophagitis.
XX
OS   Synthetic.
XX
PN   WO2004087054-A2.
XX
PD   14-OCT-2004.
XX
PF   25-MAR-2004; 2004WO-US009255.
XX
PR   25-MAR-2003; 2003US-0457891P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q;
XX
DR   WPI; 2004-729162/71.
XX
PT   Modulating gastric acid or pepsinogen secretion for treating ulcer or
PT   reflux esophagitis by administering a prokineticin receptor antagonist to
PT   alter one or more indicia of gastric acid or pepsinogen secretion.
XX
PS   Disclosure; SEQ ID NO 15; 89pp; English.
XX
CC   The invention relates to a novel method for modulating gastric acid or
CC   pepsinogen secretion. The method comprises administering a prokineticin
CC   (PK) receptor antagonist to alter one or more indicia of gastric acid or
CC   pepsinogen secretion. The invention further comprises a method for
CC   screening for a compound for modulating gastric acid or pepsinogen
CC   secretion in a mammal. The compound of the invention has gastrointestinal
CC   activity. Compounds identified by the screening method may be used in
CC   gene therapy. The method is useful in modulating gastric acid or
CC   pepsinogen secretion for treating ulcer or reflux oesophagitis. This
CC   sequence represents a human prokineticin 1 receptor protein isoform of
CC   the invention.
XX
SQ   Sequence 89 AA;

  Query Match             100.0%;  Score 86;  DB 8;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 3e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          4 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 63

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         64 CLPNLLCSRFPDGRYRCSMDLKNINF 89


RESULT 20
AAY66745
ID   AAY66745 standard; protein; 105 AA.
XX
AC   AAY66745;
XX
DT   05-APR-2000  (first entry)
XX
DE   Membrane-bound protein PRO1186.
XX
KW   Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW   pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS   Homo sapiens.
XX
PN   WO9963088-A2.
XX
PD   09-DEC-1999.
XX
PF   02-JUN-1999;   99WO-US012252.
XX
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088722P.
PR   10-JUN-1998;   98US-0088730P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088740P.
PR   10-JUN-1998;   98US-0088741P.
PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088811P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088825P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088863P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089090P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   19-JUN-1998;   98US-0089947P.
PR   19-JUN-1998;   98US-0089948P.
PR   19-JUN-1998;   98US-0089952P.
PR   22-JUN-1998;   98US-0090246P.
PR   22-JUN-1998;   98US-0090252P.
PR   22-JUN-1998;   98US-0090254P.
PR   23-JUN-1998;   98US-0090349P.
PR   23-JUN-1998;   98US-0090355P.
PR   24-JUN-1998;   98US-0090429P.
PR   24-JUN-1998;   98US-0090431P.
PR   24-JUN-1998;   98US-0090435P.
PR   24-JUN-1998;   98US-0090444P.
PR   24-JUN-1998;   98US-0090445P.
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PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 99US-0115565P.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX
DR WPI; 2000-072883/06.
DR N-PSDB; AAZ65091.
XX
PT Membrane-bound proteins and related nucleotide sequences.
XX
PS Claim 12; Fig 266; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 21
AAB18453
ID AAB18453 standard; protein; 105 AA.
XX
AC AAB18453;
XX
DT 15-JAN-2001 (first entry)
XX
DE A human TANGO 266 polypeptide.
XX
KW TANGO 266; TANGO 216; TANGO 261; TANGO 262; TANGO 267;
KW cellular proliferation; cellular differentiation; cellular adhesion;
KW von Willebrand factor-associated disorder; cell trafficking; cancer;
KW hematopoietic associated disease; atelectasis; pulmonary congestion;
KW oedema; emphysema; chronic bronchitis; bronchial asthma; bronchiectasis;
KW intestinal disorder; spleen associated disease; renal disorder;
KW cardiovascular disorder; ischemic heart disease; hydrocephalus;
KW brain herniation; iatrogenic disease; inflammation; meningitis;
KW Alzheimer's Disease; cerebral toxoplasmosis; Parkinson's disease;
KW multiple sclerosis; hydrocephalus; encephalitis; hepatic disorder.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1. .19
FT /note= "signal sequence"

FT Protein 20. .106
FT /note= "mature protein"
XX
PN WO200052022-A1.
XX
PD 08-SEP-2000.
XX
PF 01-MAR-2000; 2000WO-US005226.
XX
PR 01-MAR-1999; 99US-0122458P.
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI Barnes TM, Holtzman DA, Sharp JD, Fraser CC;
XX
DR WPI; 2000-579269/54.
DR N-PSDB; AAA75155.
XX
PT Novel human and murine secreted proteins designated TANGO 216, 261, 262,
PT 266 and 267 useful as modulating agents of cellular processes, e.g. for
PT treating cancer.
XX
PS Claim 8; Fig 14; 175pp; English.
XX
CC The present sequence represents a human TANGO 266 polypeptide. The
CC specification also describes TANGO 262, TANGO 216, TANGO 261, and TANGO
CC 267. The TANGO polypeptides can be used to modulate cellular
CC proliferation, modulate cellular differentiation and/or modulate cellular
CC adhesion. The proteins can be used to treat any von Willebrand factor-
CC associated disorder, regulate extracellular matrix structuring, cellular
CC adhesion, and cell trafficking and/or migration, modulate cellular
CC interactions, modulate cell adhesion in proliferative disorders, such as
CC cancer, modulate the proliferation, differentiation, and/or function of
CC cells that appear in the bone marrow, and leukocytes, treat bone marrow,
CC blood and hematopoietic associated diseases and disorders, atelectasis,
CC pulmonary congestion or oedema, emphysema, chronic bronchitis, bronchial
CC asthma and bronchiectasis, intestinal disorders, spleen associated
CC diseases, modulate renal disorders, treat cardiovascular disorders such
CC as ischemic heart disease, modulate the proliferation, differentiation,
CC and/or function of bone and cartilage cells and to treat bone and/or
CC cartilage associated diseases or disorder. They may also be used to treat
CC disorders associated with the ovaries, cerebral oedema, hydrocephalus,
CC brain herniations, iatrogenic disease, inflammations, bacterial and viral
CC meningitis, Alzheimer's Disease, cerebral toxoplasmosis, Parkinson's
CC disease, multiple sclerosis, brain cancers, hydrocephalus and
CC encephalitis, and treat hepatic disorders
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 22
AAB70148
ID AAB70148 standard; protein; 105 AA.
XX
AC AAB70148;
XX
DT 29-MAY-2001 (first entry)
XX
DE Human G protein-coupled receptor protein-related sequence #4.
XX
KW Human; G protein-coupled receptor protein; nootropic; neuroprotective;
KW hypotensive; orexigenic; antiallergic; antianginal; antimicrobial;
KW antibacterial; gene therapy; Alzheimer's disease; hypertension; anorexia;
KW allergy; angina pectoris; infection; MRSA;
KW multiple resistant Staphylococcus aureus.
XX
OS Homo sapiens.
XX
PN WO200116309-A1.
XX
PD 08-MAR-2001.
XX
PF 24-AUG-2000; 2000WO-JP005685.
XX
PR 27-AUG-1999; 99JP-00241531.
PR 18-JUL-2000; 2000JP-00217474.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Watanabe T, Terao Y, Shintani Y;
XX
DR WPI; 2001-226684/23.
XX
PT New human brain-originated guanosine triphosphate protein-coupled
PT receptor protein, its salt and encoded gene, useful in (gene) diagnosis
PT and development of preventives and remedies for Alzheimer's disease,
PT hypertension and anorexia.
XX
PS Example 4; Page 113; 119pp; Japanese.
XX
CC The present sequence is provided in a specification relating to a protein
CC or its salt with an amino acid sequence identical or substantially
CC similar to a fully defined sequence of 393 amino acids as given in the
CC specification. The protein is useful in gene diagnosis and development of
CC preventives and remedies for diseases associated with dysfunction of the
CC protein, e.g. Alzheimer's disease, hypertension, anorexia, allergy,
CC angina pectoris and infections (e.g. multiple resistant Staphylococcus
CC aureus. The proteins and DNA encoding the proteins are also useful for
CC the treatment of these diseases by gene therapy
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 23
AAB68427
ID AAB68427 standard; protein; 105 AA.
XX
AC AAB68427;
XX
DT 23-JUL-2001 (first entry)
XX
DE Amino acid sequence of a human Zven2 polypeptide.
XX
KW Zven1; 3p21.1; 3p14.3; Zven2; small cell lung cancer; wound healing;
KW antitumour; antiinflammatory; necrosis; tissue growth; digestive enzyme;
KW cellular differentiation; gastrointestinal cell contractility;
KW gastrointestinal motility; inflammation; hypermotility; diarrhoea;
KW Crohn's disease.
XX
OS Homo sapiens.
XX
PN WO200136465-A2.

XX
PD 25-MAY-2001.
XX
PF 14-NOV-2000; 2000WO-US031278.
XX
PR 16-NOV-1999; 99US-00442164.
PR 25-FEB-2000; 2000US-00511879.
PR 19-APR-2000; 2000US-00552203.
PR 07-JUN-2000; 2000US-0210332P.
XX
PA (ZYMO) ZYMOGENETICS INC.
XX
PI Sheppard PO, Bishop PD, Whitmore TE, Thompson PP;
XX
DR WPI; 2001-355611/37.
DR N-PSDB; AAF85427.
XX
PT Novel isolated Zven polypeptide useful for inhibiting proliferation of
PT tumor cells, for treating small cell cancer of lung, to promote wound
PT healing, and for treating Crohn's disease and diarrhea.
XX
PS Claim 27; Page 4; 98pp; English.
XX
CC The present sequence represents a human Zven2 polypeptide. The
CC specification also describes Zven1. The Zven1 gene is present on
CC chromosome 3p21.1-3p14.3. The specification also describes Zven2. Zven
CC polynucleotides and polypeptides are useful in veterinary and human
CC therapeutics, for treating small cell cancer of the lung, to promote
CC wound healing, to prevent or to treat an adverse reaction of the skin to
CC a skin-sensitizing agent or a skin-irritating agent, to stimulate the
CC immune system of an immunocompromised individual, as antitumour agents,
CC as antiinflammatory agents, as agents to regulate regeneration or
CC remodeling of tissue, as agents to modulate necrosis or tissue growth
CC developmental arrest, to inhibit proliferation of tumour cells, cellular
CC differentiation and necrosis, to treat disorders associated with
CC gastrointestinal cell contractility, secretion of digestive enzymes and
CC acids, gastrointestinal motility, recruitment of digestive enzymes,
CC inflammation, and conditions associated with hypermotility such as
CC diarrhoea and Crohn's disease
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 24
AAU12406
ID AAU12406 standard; protein; 105 AA.
XX
AC AAU12406;
XX
DT 24-OCT-2001 (first entry)
XX
DE Human PRO1186 polypeptide sequence.
XX
KW Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
KW A-peptide; factor VIIA; gene therapy.
XX
OS Homo sapiens.
XX
PN WO200140466-A2.

XX
PD 07-JUN-2001.
XX
PF 01-DEC-2000; 2000WO-US032678.
XX
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 09-DEC-1999; 99US-0170262P.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2001-408281/43.
DR N-PSDB; AAS21478.
XX
PT Isolated , secretory and transmembrane PRO polypeptide used to detect
PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
PT breast, prostate, cervical.
XX
PS Claim 12; Fig 470; 813pp; English.
XX
CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO
CC polypeptides. The PRO polypeptides are useful to detect other PRO
CC polypeptides, to link bioactive molecules to cells expressing PRO
CC polypeptides, to modulate biological activities of cells expressing PRO
CC polypeptides, and to detect the presence of mammalian lung, colon,
CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
CC polypeptide expression in a cell sample to that in a control sample. Some
CC of the 275 sequences are also useful to stimulate the release of tumour
CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
CC differentiation of chondrocytes, the proliferation or gene expression in
CC pericyte cells, the release of proteoglycans from cartilage, the
CC proliferation of inner ear utricular supporting cells or of T-

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CC   lymphocytes, the release of a cytokine from peripheral blood monocytes
CC   (PBMCs), or the proliferation of endothelial cells. Some of the PRO
CC   polypeptides may modulate glucose or free fatty acid uptake by skeletal
CC   muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
CC   VIIA. The PRO polypeptides can be used in assays to identify molecules
CC   involved in binding interactions. The polynucleotides encoding PRO
CC   polypeptides can be used to generate probes, antisense RNA/DNA,
CC   transgenic or knock out animals and can be used in gene therapy
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 25
AAB53096
ID   AAB53096 standard; protein; 105 AA.
XX
AC   AAB53096;
XX
DT   28-FEB-2001  (first entry)
XX
DE   Human angiogenesis-associated protein PRO1186, SEQ ID NO:165.
XX
KW   Human; angiogenesis-associated protein; PRO; endothelial cell growth;
KW   cardiac hypertrophy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; atherosclerosis; osteoporosis; hypertension;
KW   myocardial infarction; diabetic retinopathy; rheumatoid arthritis;
KW   Crohn's disease; psoriasis; endometriosis; ulcer; wound healing; cancer;
KW   Alzheimer's disease; Huntington's disease; stroke; drug screening;
KW   gene therapy; transgenic animal.
XX
OS   Homo sapiens.
XX
PN   WO200053753-A2.
XX
PD   14-SEP-2000.
XX
PF   05-JAN-2000; 2000WO-US000219.
XX
PR   08-MAR-1999;   99WO-US005028.
PR   12-MAR-1999;   99US-0123957P.
PR   14-MAY-1999;   99US-0134287P.
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Ferrara N,  Gerber H,  Goddard A;
PI   Godowski PJ,  Gurney AL,  Hillan KJ,  Kuo SS,  Mark MR,  Marsters SA;
PI   Paoni NF,  Pitti RM,  Watanabe CK,  Williams PM,  Wood WI;
XX
DR   WPI; 2001-090793/10.
DR   N-PSDB; AAC97496.
XX
PT   New isolated nucleic acid for producing a PRO polypeptide, analyzing
PT   genetic disorders and treating cardiovascular, endothelial or angiogenic
PT   disorders, such as atherosclerosis, wounds or cancer.
XX
PS   Claim 69; Fig 66; 293pp; English.
XX
CC   The invention relates to novel human angiogenesis-associated proteins
CC   designated PRO proteins (AAB53064-B53097), and to nucleic acids encoding
CC   PRO proteins. The invention also relates to vectors and host cells
CC   comprising a PRO nucleic acid, the recombinant production of a PRO
CC   protein, PRO antibodies specific for a PRO protein, fusion proteins
CC   comprising a PRO protein, agonists or antagonists of a PRO protein, and
CC   compounds which inhibit the expression of a PRO gene. The invention
CC   additionally encompasses methods of identifying modulators of PRO
CC   expression or activity; diagnosing a cardiovascular, endothelial or
CC   angiogenic disorder, or a susceptibility to such a disorder by detecting
CC   mutations in a PRO gene, or the expression level of a PRO gene within a
CC   particular tissue; treating a cardiovascular, endothelial or angiogenic
CC   disorder via the administration of a PRO protein, PRO nucleic acid, or
CC   PRO agonist or antagonist; a retroviral gene therapy vector comprising a
CC   PRO nucleic acid; and methods of inhibiting or stimulating endothelial
CC   cell growth, cardiac hypertrophy or PRO-induced angiogenesis via the
CC   administration of a PRO protein, or an agonist or antagonist thereof. PRO
CC   nucleic acids, PRO proteins, antibodies against PRO proteins, PRO
CC   agonists and PRO antagonists may be used as therapeutic agents to treat
CC   cardiovascular, endothelial or angiogenic disorders, such as
CC   atherosclerosis, osteoporosis, myocardial infarction, hypertension,
CC   diabetic retinopathy, rheumatoid arthritis, Crohn's disease, psoriasis,
CC   endometriosis, ulcers, wounds, cancer, Alzheimer's disease, Huntington's
CC   disease, or stroke. PRO nucleic acids are additionally useful in the
CC   recombinant production of PRO proteins, as hybridisation probes to screen
CC   libraries to isolate cDNAs with sequence identity to PRO proteins, to map
CC   genes encoding PRO proteins, to analyse genetic disorders, and in gene
CC   therapy. PRO nucleic acids can also be used to produce transgenic animals
CC   useful for the development and screening of potential therapeutic agents.
CC   The present sequence represents a PRO protein of the invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 26
AAB65268
ID   AAB65268 standard; protein; 105 AA.
XX
AC   AAB65268;
XX
DT   02-APR-2001  (first entry)
XX
DE   Human PRO1186 (UNQ600) protein sequence SEQ ID NO:371.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW   cancer; chromosomal mapping; gene mapping; tissue typing;
KW   diagnostic assay.
XX
OS   Homo sapiens.
XX
PN   WO200073454-A1.
XX
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PD   07-DEC-2000.
XX
PF   30-MAR-2000; 2000WO-US008439.
XX
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi CJ,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2001-032160/04.
DR   N-PSDB; AAF44237.
XX
PT   PRO polynucleotides used to produce polypeptides used to target bioactive
PT   molecules such as toxins, radiolabels or antibodies, to specific cells,
PT   to cause targeted cell death.
XX
PS   Claim 12; Fig 266; 935pp; English.
XX
CC   The present invention describes human secreted and transmembrane PRO
CC   proteins. The PRO proteins have cytostatic activity. The PRO proteins can
CC   be used for targeted delivery of bioactive molecules, such as toxins,
CC   radiolabels or antibodies, that cause cell death. PRO nucleotide
CC   sequences, and their fragments, can be used as hybridisation probes, in
CC   chromosomal and gene mapping, and in the generation of anti-sense RNA and
CC   DNA. They may also be used to produce transgenic animals which are used
CC   to develop and screen therapeutically useful reagents. The PRO nucleotide
CC   and protein sequence can be used for tissue typing and in treating
CC   cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
CC   AAF44470 represent PCR primers and hybridisation probes used in the
CC   isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
CC   AAB65300 represent human PRO polynucleotide and protein sequences given
CC   in the exemplification of the present invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 27
AAB48175
ID   AAB48175 standard; protein; 105 AA.
XX
AC   AAB48175;
XX
DT   02-APR-2001  (first entry)
XX
DE   Human PRO1186 polypeptide.
XX
KW   PRO1186; PRO184; neoplastic; cell growth; tumour; cancer; breast;
KW   ovarian; renal; colorectal; uterine; prostate; lung; melanoma;
KW   central nervous system; leukemia; antitumor; cytostatic.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .19
FT                   /note= "signal sequence"
FT   Protein         20. .105
FT                   /note= "mature protein"
FT   Modified-site   33. .39
FT                   /note= "N-myristoylation site"
FT   Modified-site   35. .41
FT                   /note= "N-myristoylation site"
FT   Modified-site   46. .52
FT                   /note= "N-myristoylation site"
FT   Modified-site   88. .95
FT                   /note= "tyrosine kinase phosphorylation site"
XX
PN   WO200075327-A1.
XX
PD   14-DEC-2000.
XX
PF   24-FEB-2000; 2000WO-US004914.
XX
PR   02-JUN-1999;   99WO-US012252.
PR   26-JUL-1999;   99US-0145698P.
PR   05-JAN-2000; 2000WO-US000219.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Hillan KJ,  Napier MA,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2001-071078/08.
DR   N-PSDB; AAC84469.
XX
PT   Compositions for inhibiting neoplastic cell growth and treating tumor, a
PT   cancer, comprises novel PRO1186 or PRO184 polypeptides or its agonist.
XX
PS   Claim 31; Fig 2; 104pp; English.
XX
CC   The invention provides PRO1186 and PRO184 polypetides that can be used
CC   for the inhibition of neoplastic cell growth and for treating tumours.
CC   The PRO polypeptides can be expressed by standard recombinant
CC   methodology. The PRO polypeptides or their agonists are useful for
CC   inhibition of neoplastic cell growth and for treating tumours, cancers
CC   such as breast, ovarian, renal, colorectal, uterine, prostate, lung,
CC   bladder or central nervous system cancers or melanoma and leukemia. The
CC   present sequence represents the human PRO1186 polypeptide (encoding cDNA
CC   clone ID: DNA60621-1516)
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 28
AAB48067
ID   AAB48067 standard; protein; 105 AA.
XX
AC   AAB48067;
XX
DT   19-MAR-2001  (first entry)
XX
DE   Human extracellular signaling molecule (EXCS) (ID 2006548CD1).
XX
KW   Extracellular signaling molecule; EXCS; anti-inflammatory; human;
KW   immunosuppressive; cytostatic; neuroprotective; gastrointestinal;
KW   virucide; antibacterial; anti-HIV; human immunodeficiency virus;
KW   antiinfertility; cerebroprotective; nootropic; antiulcer; antifungal;
KW   anticonvulsant; tranquilizer; neuroleptic; vasotropic; gynecological;
KW   keratolytic; protozoacide; gene therapy.
XX
OS   Homo sapiens.
XX
PN   WO200070049-A2.
XX
PD   23-NOV-2000.
XX
PF   19-MAY-2000; 2000WO-US013975.
XX
PR   19-MAY-1999;   99US-0134949P.
PR   15-JUL-1999;   99US-0144270P.
PR   30-JUL-1999;   99US-0146700P.
PR   04-OCT-1999;   99US-0157508P.
XX
PA   (INCY-) INCYTE GENOMICS INC.
XX
PI   Tang YT,  Yue H,  Lal P,  Burford N,  Bandman O,  Baughn MR;
PI   Azimzai Y,  Lu DAM,  Patterson C;
XX
DR   WPI; 2001-025021/03.
DR   N-PSDB; AAC84303.
XX
PT   New human extracellular signaling nucleic acids and polypeptides useful
PT   for diagnosing, treating and preventing infections and gastrointestinal,
PT   neurological, reproductive, and autoimmune/inflammatory disorders.
XX
PS   Claim 1; Page 89; 114pp; English.
XX
CC   The invention provides human extracellular signaling molecules (EXCS) and
CC   polynucleotides which identify and encode EXCS. EXCS can be expressed by
CC   standard recombinant methodology. The amino acid and nucleic acid
CC   sequences of EXCS are useful for diagnosing, treating and preventing
CC   infections and gastrointestinal (peptic ulcer, dysphagia, pancreatitis),
CC   neurological (e.g. epilepsy, ischemic cerebrovascular disease, stroke),
CC   reproductive (infertility, ovulatory defects, endometriosis), autoimmune
CC   /inflammatory (actinic keratosis, acquired immunodeficiency syndrome
CC   (AIDS), Addison's disease), and cell proliferative disorders including
CC   cancers (of the breast, adrenal gland, bone). They may also be used to
CC   treat fatal familial insomnia, nutritional and metabolic diseases of the
CC   nervous system, myopathies, mental disorders (anxiety, schizophrenia,
CC   mood), as well as infections caused by parasites (malaria, leishmania,
CC   trypanosoma), viral (adenovirus, coronavirus, flavivirus), bacterial
CC   (e.g. pneumococcus, staphylococcus, bacillus), and fungal (aspergillus,
CC   blastomyces, dermatophytes) agents. The nucleic acids, polypeptides,
CC   antagonists, agonists, pharmaceutical compositions, and antibodies may
CC   also be used for treating or preventing disorders associated with
CC   increased or decreased expression or activity of EXCS. EXCS
CC   polynucleotides may also be used to detect and quantify gene expression
CC   in biopsied tissues in which expression of EXCS may be correlated with
CC   the disease, to determine presence or excess expression of EXCS, to
CC   monitor regulation of EXCS levels during therapeutic intervention, to
CC   detect the presence of associated disorders, as targets in microarray, to
CC   generate hybridization probes, and to detect differences in gene
CC   sequences among normal, carrier or affected individuals. Antibodies may
CC   also be used in diagnosing disorders, in monitoring patients being
CC   treated with EXCS agonists, antagonists or inhibitors. Sequences AAB48057
CC   -B48082 represent the EXCS of the invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 4;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 29
AAM50773
ID   AAM50773 standard; protein; 105 AA.
XX
AC   AAM50773;
XX
DT   23-APR-2002  (first entry)
XX
DE   Endocrine gland-derived vascular endothelial growth factor.
XX
KW   Endocrine gland-derived vascular endothelial growth factor; EG-VEGF;
KW   human; cell proliferation; cell migration; fenestration;
KW   cell differentiation; angiogenesis; chemotaxis; endocrine; infertility;
KW   fertility; polycystic ovary syndrome; ovarian cyst; cancer; cytostatic;
KW   diagnosis; therapy.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .19
FT                   /label= Signal_peptide
FT   Protein         20. .105
FT                   /label= Mature_protein
FT   Modified-site   33
FT                   /note= "N-myristoylated"
FT   Modified-site   35
FT                   /note= "N-myristoylated"
FT   Modified-site   46
FT                   /note= "N-myristoylated"
XX
PN   WO200200711-A2.
XX
PD   03-JAN-2002.
XX
PF   22-JUN-2001; 2001WO-US020116.
XX
PR   23-JUN-2000; 2000US-0213637P.
PR   07-SEP-2000; 2000US-0230978P.
PR   01-DEC-2000; 2000WO-US032678.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ferrara N,  Watanabe C,  Wood WI;
XX
DR   WPI; 2002-130882/17.
DR   N-PSDB; ABA91567.
XX
PT   New endocrine gland-vascular endothelial growth factor (EG-VEGF)
PT   polypeptides, agonists and antagonists, useful for regulating fertility,
PT   and for treating cancer of the reproductive organs, e.g. ovarian or
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PT   prostate cancer.
XX
PS   Claim 12; Fig 2; 133pp; English.
XX
CC   The present sequence is that of a novel, tissue-restricted, growth and
CC   differentiation factor termed endocrine gland-derived vascular
CC   endothelial growth factor (EG-VEGF). The sequence is predicted from the
CC   open reading frame of a cDNA clone (see ABA91567) obtained from an
CC   ovarian tissue library. EG-VEGF induces proliferation, migration and
CC   fenestrations in capillary endothelial cells derived from endocrine
CC   glands, but has no effect on a variety of other endothelial and non-
CC   endothelial cell types tested. The EG-VEGF precursor has a predicted
CC   mol.wt. of 11715 and a pI of 9.05. The mature protein (mol.wt. 8600) is
CC   cysteine-rich and is predicted to consist of a series of short beta
CC   strands with large connecting loops held together by disulfide bonds
CC   resulting in a flat fold with finger-like projections that act as
CC   interactive surfaces. 80% Homology and 63% identity is shown to venom
CC   protein A (VPRA) of the black mamba snake, and 76% homology and 58%
CC   identity to human protein Bv8. EG-VEGF nucleic acids and polypeptides, as
CC   well as agonists and antagonists, can be used in the treatment of
CC   conditions associated with hormone-producing tissue, especially ovarian,
CC   testicular, cervical, adrenal, placental or prostate tissue. The
CC   condition may be polycystic ovary syndrome, cancer, especially ovarian
CC   cancer, testicular cancer, prostate cancer or uterine cancer, or ovarian
CC   cyst (all claimed). Fertility can be regulated using an EG-VEGF
CC   antagonist to inhibit follicle maturation or ovulation. Methods are
CC   claimed for identifying compounds that modulate EG-VEGF activity,
CC   especially the ability to induce phosphorylation of a kinase involved in
CC   cell proliferation or survival, to induce chemotaxis, angiogenesis, or
CC   cell differentiation, or to induce endothelial cell proliferation
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 30
AAU83674
ID   AAU83674 standard; protein; 105 AA.
XX
AC   AAU83674;
XX
DT   08-MAY-2002  (first entry)
XX
DE   Human PRO protein, Seq ID No 166.
XX
KW   Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW   breast cancer; prostate tumour; rectal tumour; liver tumour;
KW   pericyte cell proliferation; chondrocyte cell proliferation;
KW   tumour necrosis factor-alpha.
XX
OS   Homo sapiens.
XX
PN   WO200208288-A2.
XX
PD   31-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US021066.
XX
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220585P.
PR   25-JUL-2000; 2000US-0220605P.
PR   25-JUL-2000; 2000US-0220607P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220638P.
PR   25-JUL-2000; 2000US-0220664P.
PR   25-JUL-2000; 2000US-0220666P.
PR   26-JUL-2000; 2000US-0220893P.
PR   28-JUL-2000; 2000WO-US020710.
PR   01-AUG-2000; 2000US-0222425P.
PR   22-AUG-2000; 2000US-0227133P.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   28-NOV-2000; 2000US-0253646P.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   22-MAR-2001; 2001US-00816744.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001WO-US017092.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2002-172001/22.
DR   N-PSDB; ABK33618.
XX
PT   One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT   useful for treating a PRO related disorder and for diagnosing tumors such
PT   as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
PT   or liver tumor.
XX
PS   Claim 11; Fig 166; 359pp; English.
XX
CC   The invention relates to one hundred and twenty two nucleic acids
CC   encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC   encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC   agonists and antagonists are useful for treating a PRO related disorder.
CC   The PRO polypeptides are useful for diagnosing tumours, especially lung
CC   cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC   liver tumour. The PRO polypeptides are useful for stimulating the
CC   proliferation of, or gene expression, in pericyte cells, for stimulating
CC   the proliferation or differentiation of chondrocyte cells, for
CC   stimulating the release of tumour necrosis factor-alpha from human blood,
CC   for stimulating or inhibiting the proliferation of normal human dermal
CC   fibroblast cells. The PRO polypeptide may also be used as molecular
CC   weight markers and for tissue typing. The PRO nucleic acids have
CC   applications in molecular biology, including use as hybridisation probes,
CC   and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC   protein sequences of the invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 31
ABB84902
ID   ABB84902 standard; protein; 105 AA.
XX
```

```
AC   ABB84902;
XX
DT   16-MAY-2002  (first entry)
XX
DE   Human PRO1186 protein sequence SEQ ID NO:172.
XX
KW   Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW   vulnerary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW   gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW   angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW   age-related macular degeneration; arterial restenosis; angina;
KW   rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW   lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW   wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   WO200200690-A2.
XX
PD   03-JAN-2002.
XX
PF   20-JUN-2001; 2001WO-US019692.
XX
PR   23-JUN-2000; 2000US-0213637P.
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220664P.
PR   28-JUL-2000; 2000WO-US020710.
PR   02-AUG-2000; 2000US-0222695P.
PR   17-AUG-2000; 2000US-00643657.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   07-SEP-2000; 2000US-0230978P.
PR   18-SEP-2000; 2000US-00664610.
PR   18-SEP-2000; 2000US-00665350.
PR   24-OCT-2000; 2000US-0242922P.
PR   08-NOV-2000; 2000US-00709238.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   22-JAN-2001; 2001US-00767609.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   30-MAY-2001; 2001US-00870574.
PR   30-MAY-2001; 2001WO-US017443.
PR   01-JUN-2001; 2001WO-US017800.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Ferrara N,  Gerber H,  Gerritsen ME,  Goddard A;
PI   Godowski PJ,  Gurney AL,  Hillan KJ,  Marsters SA,  Pan J,  Paoni NF;
PI   Stephan JF,  Watanabe CK,  Williams PM,  Wood WI,  Ye W;
XX
DR   WPI; 2002-090516/12.
DR   N-PSDB; ABL88157.
XX
PT   One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT   useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT   infarction), endothelial or angiogenic disorders in a mammal.
XX
PS   Claim 11; Fig 172; 565pp; English.
XX
CC   ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
CC   ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
CC   antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
CC   activities, and can be used in gene therapy. The PRO polynucleotides,
CC   proteins, agonists and antagonists are useful for treating or diagnosing
CC   a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
CC   cardiac hypertrophy, trauma, cancer, age-related macular degeneration,
CC   atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC   angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC   angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC   healing. The PRO polynucleotides have applications in molecular biology,
CC   including use as hybridisation probes, and in chromosome and gene
CC   mapping. ABL88259 to ABL88267 represent primers and probes used in the
CC   exemplification of the present invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGBECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGBECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 32
AAO15527
ID   AAO15527 standard; protein; 105 AA.
XX
AC   AAO15527;
XX
DT   24-OCT-2002  (first entry)
XX
DE   Human physiologically-active ZAQ ligand-related protein 3.
XX
KW   Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;
KW   colitis; diarrhoea.
XX
OS   Homo sapiens.
XX
PN   WO200257443-A1.
XX
PD   25-JUL-2002.
XX
PF   21-JAN-2002; 2002WO-JP000378.
XX
PR   22-JAN-2001; 2001JP-00013027.
PR   17-MAY-2001; 2001JP-00147759.
XX
PA   (TAKE ) TAKEDA CHEM IND LTD.
XX
PI   Yamada T,  Suenaga M,  Nishimura O;
XX
DR   WPI; 2002-566801/60.
XX
PT   Industrial production of physiologically-active ZAQ ligand by expressing
PT   in transformant prokaryote and refolding in redox buffer, for use in
PT   preventing or treating digestive diseases e.g. colitis and diarrhea.
XX
PS   Example 3; Page 76-77; 93pp; Japanese.
XX
CC   The invention comprises a method for producing an active peptide that has
CC   the same activity as a ZAQ ligand isolated from eukaryotic cells. The
CC   method of the invention is useful for the production of a physiologically
CC   -active ZAQ ligand for use in preventing or treating digestive diseases
CC   (e.g. colitis and diarrhea). The present amino acid sequence represents a
CC   human physiologically active ZAQ ligand-related protein
```

```
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 33
ABB06308
ID   ABB06308 standard; protein; 105 AA.
XX
AC   ABB06308;
XX
DT   27-MAY-2002  (first entry)
XX
DE   Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:23.
XX
KW   G protein-coupled receptor; ZAQ ligand; physiologically active peptide;
KW   ZAQ; antidiarrheic; laxative; drug development; digestive disease;
KW   colitis; diarrhoea; constipation; poor-absorption syndrome; gene therapy.
XX
OS   Homo sapiens.
XX
PN   WO200206483-A1.
XX
PD   24-JAN-2002.
XX
PF   17-JUL-2001; 2001WO-JP006162.
XX
PR   18-JUL-2000; 2000JP-00217442.
PR   02-FEB-2001; 2001JP-00026779.
XX
PA   (TAKE ) TAKEDA CHEM IND LTD.
XX
PI   Ohtaki T,  Masuda Y,  Takatsu Y,  Watanabe T,  Terao Y,  Shintani Y;
PI   Hinuma S;
XX
DR   WPI; 2002-188546/24.
DR   N-PSDB; ABL49637.
XX
PT   Physiologically-active peptides from cows milk, useful for developing
PT   drugs to treat ZAQ-mediated diseases, particularly digestive diseases
PT   like colitis, diarrhea, constipation and poor-absorption syndrome, by
PT   gene therapy.
XX
PS   Claim 5; Page 61; 191pp; Japanese.
XX
CC   The present invention describes a peptide containing an amino acid
CC   sequence (I) identical to or substantially similar to that of the
CC   sequences in ABB06305 or ABB06306, or its salt. (I) has antidiarrheic and
CC   laxative activities. The peptides and encoding DNAs from the present
CC   invention are useful for developing drugs to treat digestive diseases
CC   like colitis, diarrhoea, constipation and poor-absorption syndrome,
CC   including gene therapy. The physiologically-active cows milk-originated
CC   peptides are applicable as a specific ligand of brain-originated orphan G
CC   protein-coupled receptor protein ZAQ. ABL49615 to ABB40659 and ABB06303
CC   to ABB06315 represent sequences used in the exemplification of the
CC   present invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 34
AAE24382
ID   AAE24382 standard; protein; 105 AA.
XX
AC   AAE24382;
XX
DT   04-OCT-2002  (first entry)
XX
DE   Human prokineticin 1 precursor protein.
XX
KW   Human; prokineticin 1; gastrointestinal motility; intestinal cancer;
KW   irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW   diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW   inflammatory bowel disorder; analgesic; infectious disease.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .19
FT                   /label= Signal_peptide
FT   Protein         20. .105
FT                   /note= "Mature human prokineticin 1"
XX
PN   WO200236625-A2.
XX
PD   10-MAY-2002.
XX
PF   01-NOV-2001; 2001WO-US047969.
XX
PR   03-NOV-2000; 2000US-0245882P.
XX
PA   (REGC ) UNIV CALIFORNIA.
XX
PI   Zhou Q,  Ehlert FJ;
XX
DR   WPI; 2002-479752/51.
DR   N-PSDB; AAD39321.
XX
PT   New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT   gastrointestinal smooth muscle contraction, useful for improving impaired
PT   gastrointestinal motility in irritable bowel syndrome, chronic
PT   constipation.
XX
PS   Example 1; Fig 1; 86pp; English.
XX
CC   The invention relates to human prokineticin 1 and 2 polypeptides that
CC   stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC   molecules encoding such polypeptides. Polypeptides of the invention are
CC   useful for treating disorders involving impaired gastrointestinal
CC   motility. They are useful for stimulating gastrointestinal motility in
CC   disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC   operational ileus, chronic constipation and gastrointestinal reflux
CC   disease. The prokineticin antagonists are useful for inhibiting
CC   gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC   disorders, inflammatory bowel disorders, infectious diseases and
CC   intestinal cancers. The antagonists also act as analgesics. The present
CC   sequence is human prokineticin 1 precursor protein
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 35
ABB95508
ID ABB95508 standard; protein; 105 AA.
XX
AC ABB95508;
XX
DT 19-JUL-2002 (first entry)
XX
DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.
XX
KW Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnerary;
KW antiarteriosclerotic.
XX
OS Homo sapiens.
XX
PN WO200208284-A2.
XX
PD 31-JAN-2002.
XX
PF 09-JUL-2001; 2001WO-US021735.
XX
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 24-OCT-2000; 2000US-0242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 30-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
XX
PA (GETH) GENENTECH INC.
PA (BAKE/) BAKER K P.
PA (FERR/) FERRARA N.
PA (GERB/) GERBER H.
PA (GERR/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GURN/) GURNEY A L.
PA (HILL/) HILLAN K J.
PA (MARS/) MARSTERS S A.
PA (PANJ/) PAN J.
PA (PAON/) PAONI N F.
PA (STEP/) STEPHAN J F.
PA (WATA/) WATANABE C K.
PA (WILL/) WILLIAMS P M.
PA (WOOD/) WOOD W I.
XX
PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
DR WPI; 2002-171999/22.
DR N-PSDB; ABL95646.
XX
PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 172; 567pp; English.
XX
CC The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a PRO protein of the invention
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 36
ADY31906
ID ADY31906 standard; protein; 105 AA.
XX
AC ADY31906;
XX
DT 05-MAY-2005 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW PRO; secreted polypeptide; transmembrane polypeptide; tumour; cancer;
KW lung; colon; breast; prostate; rectum; liver;
KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;
KW pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;
KW arthritis; sports injury; cytostatic; antiarthritic.
XX
OS Homo sapiens.
XX
PN WO200193983-A1.
XX
PD 13-DEC-2001.
XX
PF 01-JUN-2001; 2001WO-US017800.

```
XX
PR   02-JUN-2000; 2000WO-US015264.
PR   05-JUN-2000; 2000US-0209832P.
PR   20-JUN-2000; 2000US-0212901P.
PR   22-JUN-2000; 2000US-0213807P.
PR   20-JUL-2000; 2000US-0219556P.
PR   25-JUL-2000; 2000US-0220585P.
PR   25-JUL-2000; 2000US-0220605P.
PR   25-JUL-2000; 2000US-0220607P.
PR   25-JUL-2000; 2000US-0220624P.
PR   25-JUL-2000; 2000US-0220638P.
PR   25-JUL-2000; 2000US-0220664P.
PR   25-JUL-2000; 2000US-0220666P.
PR   26-JUL-2000; 2000US-0220893P.
PR   28-JUL-2000; 2000WO-US020710.
PR   01-AUG-2000; 2000US-0222425P.
PR   22-AUG-2000; 2000US-0227133P.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   28-NOV-2000; 2000US-0253646P.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   22-MAR-2001; 2001US-00816744.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   25-MAY-2001; 2001WO-US017092.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2002-404358/43.
DR   N-PSDB; ADY31905.
XX
PT   Isolated nucleic acid useful in a method for stimulating the
PT   proliferation, gene expression or differentiation of cells and in
PT   detecting the presence of a tumor.
XX
PS   Claim 11; SEQ ID NO 166; 296pp; English.
XX
CC   The invention relates to human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the PRO polynucleotides encoding them.
CC   The PRO polypeptides and polynucleotides are useful as pharmaceuticals,
CC   diagnostics, biosensors or bioreactors. They are particularly useful for
CC   detecting tumours (e.g. lung tumour, colon tumour, breast tumour,
CC   prostate tumour, rectal tumour or liver tumour) in a mammal, for
CC   stimulating the release of tumour necrosis factor (TNF)-alpha from human
CC   blood, for stimulating the proliferation or differentiation of
CC   chondrocyte cells, for stimulating the proliferation of or gene
CC   expression in pericyte cells or for stimulating the proliferation of
CC   normal human dermal fibroblasts. The PRO nucleic acids are useful as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA, in preparing PRO polypeptides by recombinant
CC   technology, in generating transgenic animals or knock-out animals which
CC   may be used in the development and screening of therapeutically useful
CC   reagents, in gene therapy, in chromosome identification, as chromosome
CC   markers and in generating probes. The PRO polypeptides, or anti-PRO
CC   antibodies, are useful for preparing a medicament for treating a
CC   condition which is responsive to the PRO polypeptides or anti-PRO
CC   antibodies, such as pericyte-associated tumours and bone and/or cartilage
CC   disorders (e.g. arthritis, sports injuries), involving inducing the re-
CC   differentiation of chondrocytes. The PRO polypeptides are useful as
CC   molecular markers for protein electrophoresis, and in tissue typing. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;
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  Query Match             100.0%;  Score 86;  DB 5;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 37
ABU58083
ID   ABU58083 standard; protein; 105 AA.
XX
AC   ABU58083;
XX
DT   14-APR-2003  (first entry)
XX
DE   Human PRO polypeptide #115.
XX
KW   Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
KW   horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPT;
KW   antibody-dependent enzyme mediated prodrug therapy.
XX
OS   Homo sapiens.
XX
PN   US2003027163-A1.
XX
PD   06-FEB-2003.
XX
PF   15-NOV-2001; 2001US-00997666.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
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PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
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PR   05-JUN-1998;   98US-0088212P.
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PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
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PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
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PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
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PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
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PR 23-JUN-1998; 98US-0090355P.
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PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
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PR 24-JUN-1998; 98US-0090557P.
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PR 26-JUN-1998; 98US-0090862P.
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PR 01-JUL-1998; 98US-0091360P.
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PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
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PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
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PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
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PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
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PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
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PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
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PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;

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  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 38
ABU59161
ID   ABU59161 standard; protein; 105 AA.
XX
AC   ABU59161;
XX
DT   28-APR-2003  (first entry)
XX
DE   Novel human secreted or transmembrane protein PRO1186.
XX
KW   Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW   cardiac insufficiency disorder; cancer; tumour; immune response;
KW   adrenal cortical capillary endothelial growth; c-fos induction;
KW   vascular endothelial growth factor inhibition; VEGF inhibition;
KW   endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW   retinal neurons cell survival; rod photoreceptor cell survival;
KW   retinal disorder; retinitis pigmentosum; kidney disorder;
KW   mammalian kidney mesangial cell proliferation; Berger disease;
KW   dermatitis; herpetiformis; Crohn's disease; chondrocyte proliferation;
KW   chondrocyte redifferentiation; sports injury; arthritis.
XX
OS   Homo sapiens.
XX
PN   US2002132252-A1.
XX
PD   19-SEP-2002.
XX
PF   14-NOV-2001; 2001US-00990442.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
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PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
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PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
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PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   06-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-247083/24.
DR   N-PSDB; ABX80360.
XX
PT   Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
```

PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments.
XX
PS Claim 12; Fig 266; 648pp; English.
XX
CC The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO819, PRO813
CC and PRO11066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpetiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 39
ABU82673
ID ABU82673 standard; protein; 105 AA.
XX
AC ABU82673;
XX
DT 26-JUN-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1186.
XX
KW Human; PRO; secreted protein; transmembrane protein;
KW cardiac insufficiency disorders; angiogenesis; wound healing;
KW cancerous tumour; immune response; retinal disorder; sight loss;
KW retinitis pigmentosum; age-related macular degeneration; AMD;
KW kidney disorder; Berger disease; nephropathy; dermatitis; herpetiformis;
KW Crohn's disease; sports injury; arthritis.
XX
OS Homo sapiens.
XX
PN US2003032023-A1.
XX
PD 13-FEB-2003.
XX
PF 14-NOV-2001; 2001US-00990711.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
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PR 12-NOV-1997; 97US-0065186P.
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PR 07-OCT-1998; 98WO-US021141.
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PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 40
ABO17850
ID ABO17850 standard; protein; 105 AA.
XX
AC ABO17850;
XX
DT 26-AUG-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO; antiinflammatory;
KW antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic;
KW antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;
KW TNF-alpha release; cell proliferation; cell differentiation;
KW gene expression modulator; proteoglycan release; cytokine release;
KW tumour; inflammatory disease; organ failure; atherosclerosis;
KW cardiac injury; infertility; birth defect; premature aging; AIDS;
KW acquired immunodeficiency syndrome; cancer; diabetic complication;
KW chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;
KW bioreactor; tissue typing.
XX
OS Homo sapiens.
XX
PN US2003032156-A1.
XX

PD 13-FEB-2003.
XX
PF 06-MAY-2002; 2002US-00140474.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
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PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
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PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
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PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-341980/32.
DR N-PSDB; ACD24087.
XX
PT New secreted and transmembrane PRO nucleic acids, for treating
PT inflammation, organ failure, atherosclerosis, cardiac injury,
PT infertility, birth defects, premature aging, axquired immunodeficiency
PT syndrome (AIDS), or cancer.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention describes an isolated nucleic acid (I) comprising, or which
CC has 80 % sequence identity to, or the full-length coding sequence of, one
CC of 275 nucleotide sequences, and which encodes a corresponding
CC polypeptide selected from 275 amino acid sequences, where all sequences
CC are given in the specification. The polypeptide encoded by (I) is used to
CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
CC release of tumour necrosis factor (TNF)-alpha from human blood, modulate
CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
CC the proliferation or differentiation of cells or gene expression,
CC stimulate the release of proteoglycans, stimulate the release of cytokine
CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
CC to factor VIIA, or detect the presence of tumour in a mammal. The nucleic
CC acid and polypeptide encoded by it, are useful for treating inflammatory
CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
CC birth defects, premature aging, acquired immunodeficiency syndrome
CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
CC hybridisation probes, in chromosome and gene mapping, and in generating
CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
CC This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;

```
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 41
ABU60592
ID   ABU60592 standard; protein; 105 AA.
XX
AC   ABU60592;
XX
DT   01-MAY-2003  (first entry)
XX
DE   Human secreted/transmembrane protein, #151.
XX
KW   Human; PRO; secreted; transmembrane; signal peptide; pharmaceutical;
KW   diagnostic; therapeutic; gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2002160384-A1.
XX
PD   31-OCT-2002.
XX
PF   14-NOV-2001; 2001US-00992598.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-288106/28.
DR   N-PSDB; ABX90338.
XX
PT   New transmembrane polypeptides and nucleic acids encoding the
PT   polypeptides, useful in gene therapy, in chromosome identification, as
PT   chromosome markers, or in generating probes.
XX
PS   Claim 12; Fig 266; 650pp; English.
XX
CC   The invention discloses isolated PRO secreted/transmembrane polypeptides
CC   comprising a sequence without signal peptide and the nucleic acid
```

CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful in gene therapy, in chromosome
CC identification, as chromosome markers, or in generating probes. The PRO
CC polypeptides are useful as molecular markers for protein electrophoresis,
CC and the isolated nucleic acids may be used for recombinantly expressing
CC those markers. The PRO polypeptides and nucleic acids may also be used in
CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
CC PRO, and in affinity purification of PRO from recombinant cell culture or
CC natural sources. The sequences presented in ABU60478-ABU60624 are the PRO
CC polynucleotides of the invention. Note: The sequence data for this patent
CC is also available in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html
XX
SQ Sequence 105 AA;

```
  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 42
ABU80821
ID ABU80821 standard; protein; 105 AA.
XX
AC ABU80821;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #83.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003036635-A1.
XX
PD 20-FEB-2003.
XX
PF 28-AUG-2002; 2002US-00230163.
XX
PR 25-JUL-2000; 2000US-0220638P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-342045/32.
DR N-PSDB; ACA66923.
XX
PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for the manufacture of a medicament for diagnosing or treating
PT tumor.
XX
PS Claim 11; Fig 166; 314pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
CC useful in diagnostic assays for PRO, by detecting its expression in
CC specific cells, tissues or serum, and for affinity purification of PRO
CC from recombinant cell culture or natural sources. ABU80739-ABU80860
CC represent the human PRO polypeptides of the invention. Note: The sequence
CC data for this patent was obtained in electronic format directly from the
CC USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ Sequence 105 AA;

```
  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 43
ABO33787
ID ABO33787 standard; protein; 105 AA.
XX
AC ABO33787;
XX
DT 17-SEP-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO; cytostatic;
KW antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; bone disorder; cartilage disorder; sports injury;
KW arthritis; wound.
XX
OS Homo sapiens.
XX
PN US2003045687-A1.
XX
PD 06-MAR-2003.
XX
PF 12-AUG-2002; 2002US-00218631.
XX
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI; 2003-512315/48.
DR N-PSDB; ACD68675.
XX
PT New genes, and its encoded secreted and transmembrane polypeptides,
PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
PT pericyte proliferation, especially for treating lung tumors, arthritis or
PT wounds in a mammal.
XX
PS Claim 11; Fig 166; 314pp; English.
XX
CC The invention describes an isolated nucleic acid molecule comprising a
CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are

```
CC   fully defined in the specification; or (b) any of 122 nucleotide
CC   sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC   specification; or the full length coding sequence of any these 122
CC   nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC   as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC   particularly useful for detecting tumours (e.g. lung tumour, colon
CC   tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC   in a mammal, for stimulating the release of TNF-alpha from human blood,
CC   for stimulating the proliferation or differentiation of chondrocyte
CC   cells, for stimulating proliferation of pericyte cells, or for modulating
CC   normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC   polypeptide is also useful for treating tumours or various bone and/or
CC   cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC   PRO polypeptides are useful in drug screening, particularly as targets
CC   for therapeutic intervention in these diseases, and in the diagnostic
CC   determination of the presence of these diseases. The PRO polypeptides are
CC   also useful as molecular weight markers, or for chromosome
CC   identification. The PRO genes are useful as hybridisation probes, or for
CC   screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC   also be used in gene therapy, particularly for replacing a defective
CC   gene. This is the amino acid sequence of a novel human secreted and
CC   transmembrane PRO polypeptide
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 44
ABU13974
ID   ABU13974 standard; protein; 105 AA.
XX
AC   ABU13974;
XX
DT   26-FEB-2003  (first entry)
XX
DE   Human PRO1186 polypeptide.
XX
KW   Human; PRO polypeptide; secreted protein; transmembrane protein;
KW   genetic disorder; antibacterial; immunosuppressive.
XX
OS   Homo sapiens.
XX
PN   US2002103125-A1.
XX
PD   01-AUG-2002.
XX
PF   20-NOV-2001; 2001US-00989731.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   06-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
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PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH LTD.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-102117/09.
DR   N-PSDB; ABX64184.
XX
PT   Novel secreted and transmembrane polypeptide for modulating biological
PT   activity of cell expressing the polypeptide, identifying agonists or
PT   antagonists of polypeptide, and as molecular weight markers.
XX
PS   Claim 12; Fig 266; 649pp; English.
XX
CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides are useful for detecting other PRO polypeptides, for linking
CC   bioactive molecules to cells expressing PRO polypeptides, for modulating
CC   biological activities of cells expressing PRO polypeptides, and for for
CC   identifying agonists or antagonists. The polynucleotide sequences
CC   encoding PRO polypeptides are useful as hybridisation probes, in
CC   chromosome and gene mapping, in the generation of antisense RNA and DNA,
CC   in the preparation of PRO polypeptides, for generating transgenic animals
CC   or knockout animals, to construct hybridisation probes for mapping the
CC   gene which encodes the PRO polypeptide, and for the genetic analysis of
CC   individuals with genetic disorders, in gene therapy, for chromosome
CC   identification, as chromosome markers, and for generating probes for PCR,
CC   Northern analysis, Southern analysis and Western analysis. ABU13860-
CC   ABU14006 represent the human PRO polypeptides of the invention. Note: The
CC   sequence data for this patent was obtained in electronic format directly
CC   from the USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              |||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 45
ABU08800
ID   ABU08800 standard; protein; 105 AA.
XX
AC   ABU08800;
XX
DT   02-JUN-2003  (first entry)
XX
DE   Human endocrine gland-derived vascular endothelial growth factor.
XX
KW   Human; EG-VEGF; sexual maturation; hypogonadotropic hypogonadism;
KW   endocrine gland; vascular endothelial growth factor; ovarian cyst;
KW   cellular proliferation; chemotaxis; congenital adrenal hyperplasia;
KW   precocious puberty; McCune-Albright syndrome; cancer; infertility;
KW   androgen-dependent cancer.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .19
FT                   /note= "Signal peptide"
FT   Protein         20. .105
FT                   /note= "Mature EG-VEGF"
FT   Modified-site   33
FT                   /note= "N-myristoylated"
FT   Modified-site   35
FT                   /note= "N-myristoylated"
FT   Modified-site   46
FT                   /note= "N-myristoylated"
XX
PN   US2002192634-A1.
XX
PD   19-DEC-2002.
XX
PF   19-DEC-2001; 2001US-00027603.
XX
PR   11-AUG-1998;   98US-0096146P.
PR   02-JUN-1999;   99WO-US012252.
PR   26-JUL-1999;   99US-0145698P.
PR   25-AUG-1999;   99US-00380137.
PR   05-JAN-2000; 2000WO-US000219.
PR   24-FEB-2000; 2000WO-US004914.
PR   30-MAR-2000; 2000WO-US008439.
PR   23-JUN-2000; 2000US-0213637P.
PR   07-SEP-2000; 2000US-0230978P.
PR   08-NOV-2000; 2000US-00709238.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-JUN-2001; 2001US-00886242.
XX
PA   (FERR/) FERRARA N.
PA   (WATA/) WATANABE C.
PA   (WOOD/) WOOD W I.
PA   (SHEK/) SHEK T.
XX
PI   Ferrara N,  Watanabe C,  Wood WI,  Shek T;
XX
DR   WPI; 2003-352707/33.
DR   N-PSDB; ABX93675.
XX
PT   New anti-endocrine gland-derived vascular endothelial growth factor
PT   monoclonal antibodies 1C6, 2A3, 2A8 or 4H9, useful for regulating
PT   cellular proliferation and chemotaxis.
XX
PS   Example 1; Fig 2; 105pp; English.
XX
CC   The invention relates to an antibody that binds essentially to the
CC   epitope of endocrine gland-derived vascular endothelial growth factors
CC   (EG-VEGF) and is selected from anti-EG-VEGF monoclonal antibodies 1C6,
CC   2A3, 2A8 and 4H9. The composition and methods are useful in regulating
CC   cellular proliferation and chemotaxis, e.g in treating conditions
CC   associated with hormone-producing tissue such as congenital adrenal
CC   hyperplasia, sexual maturation, precocious puberty, McCune-Albright
CC   syndrome, hypogonadotropic hypogonadism, ovarian cyst, cancer such as
CC   androgen-dependent cancer or infertility. The present sequence represents
CC   the amino acid sequence of human endocrine gland-derived vascular
CC   endothelial growth factor
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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                    ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 46
ABU81104
ID   ABU81104 standard; protein; 105 AA.
XX
AC   ABU81104;
XX
DT   23-JUN-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO polypeptide; secreted and transmembrane protein;
KW   anti-PRO antibody; diagnostic assay; gene expression; diabetes;
KW   bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
KW   sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
KW   hearing loss; coagulation disorder; stroke; heart attack; cardiant;
KW   antidiabetic; anorectic; vulnerary; antiarthritic; osteopathic;
KW   antirheumatic; auditory; cerebroprotective; angiogenic.
XX
OS   Homo sapiens.
XX
PN   US2003004311-A1.
XX
PD   02-JAN-2003.
XX
PF   19-DEC-2001; 2001US-00028072.
XX
PR   18-JUN-1997;   97US-0049911P.
PR   26-AUG-1997;   97US-0056974P.
PR   17-SEP-1997;   97US-0059113P.
PR   17-SEP-1997;   97US-0059115P.
PR   17-SEP-1997;   97US-0059117P.
PR   17-SEP-1997;   97US-0059122P.
PR   17-SEP-1997;   97US-0059184P.
PR   18-SEP-1997;   97US-0059263P.
PR   19-SEP-1997;   97US-0059352P.
PR   19-SEP-1997;   97US-0059588P.
PR   24-SEP-1997;   97US-0059836P.
PR   17-OCT-1997;   97US-0062250P.
PR   17-OCT-1997;   97US-0062285P.
PR   17-OCT-1997;   97US-0062287P.
PR   17-OCT-1997;   97US-0063755P.
PR   24-OCT-1997;   97US-0062814P.
PR   24-OCT-1997;   97US-0062816P.
PR   24-OCT-1997;   97US-0063045P.
PR   24-OCT-1997;   97US-0063082P.
PR   24-OCT-1997;   97US-0063127P.
PR   27-OCT-1997;   97US-0063327P.
PR   27-OCT-1997;   97US-0063329P.
PR   28-OCT-1997;   97US-0063550P.
PR   28-OCT-1997;   97US-0063561P.
PR   29-OCT-1997;   97US-0063704P.
PR   29-OCT-1997;   97US-0063733P.
PR   29-OCT-1997;   97US-0063735P.
PR   29-OCT-1997;   97US-0063738P.
PR   03-NOV-1997;   97US-0064248P.
PR   07-NOV-1997;   97US-0064809P.
PR   12-NOV-1997;   97US-0065186P.
PR   17-NOV-1997;   97US-0065846P.
PR   21-NOV-1997;   97US-0066364P.
PR   24-NOV-1997;   97US-0066453P.
PR   24-NOV-1997;   97US-0066511P.
PR   24-NOV-1997;   97US-0066770P.
PR   11-DEC-1997;   97US-0069212P.
PR   11-DEC-1997;   97US-0069278P.
PR   11-DEC-1997;   97US-0069334P.
PR   16-DEC-1997;   97US-0069694P.
PR   23-JAN-1998;   98US-0072320P.
PR   04-FEB-1998;   98US-0073612P.
PR   09-FEB-1998;   98US-0074086P.
PR   09-FEB-1998;   98US-0074092P.
PR   12-MAR-1998;   98US-0077791P.
PR   20-MAR-1998;   98US-0078910P.
PR   25-MAR-1998;   98US-0079294P.
PR   27-MAR-1998;   98US-0079663P.
PR   27-MAR-1998;   98US-0079728P.
PR   31-MAR-1998;   98US-0080165P.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-352836/33.
DR   N-PSDB; ACA67228.
XX
PT   New isolated PRO polypeptide useful for treating diabetes, rheumatoid
PT   arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
PT   heart attack.
XX
PS   Claim 12; Fig 470; 643pp; English.
XX
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CC   The present invention relates to the isolation of novel human PRO
CC   polypeptides, and the polynucleotide sequences encoding them. The PRO
CC   polypeptides are secreted and transmembrane proteins. The PRO
CC   polypeptides and polynucleotides are useful for preparing a medicament
CC   useful in the treatment of diabetes, bone and/or cartilage disorders
CC   (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
CC   hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
CC   (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
CC   assays for PRO, by detecting its expression in specific cells, tissues or
CC   serum, and for affinity purification of PRO from recombinant cell culture
CC   or natural sources. ABU80870-ABU81144 represent the human PRO
CC   polypeptides of the invention. Note: The sequence data for this patent
CC   was obtained in electronic format directly from the USPTO web site at
CC   seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 47
ABU07603
ID   ABU07603 standard; protein; 105 AA.
XX
AC   ABU07603;
XX
DT   10-MAY-2003  (first entry)
XX
DE   Human ZVEN2.
XX
KW   Human; ZVEN2; tumour.
XX
OS   Homo sapiens.
XX
PN   US6485938-B1.
XX
PD   26-NOV-2002.
XX
PF   14-NOV-2000; 2000US-00712529.
XX
PR   16-NOV-1999;   99US-0165905P.
PR   25-FEB-2000; 2000US-0184875P.
PR   19-APR-2000; 2000US-0197750P.
PR   07-JUN-2000; 2000US-0210332P.
XX
PA   (ZYMO ) ZYMOGENETICS INC.
XX
PI   Sheppard PO,  Bishop PD;
XX
DR   WPI; 2003-287426/28.
DR   N-PSDB; ABX12104, ABX12105.
XX
PT   Novel isolated nucleic acid molecule that encodes a Zven1 polypeptide,
PT   useful for inhibiting the proliferation of tumor cells, or to detect the
PT   expression of a Zven1 or Zven2 gene in a biological sample.
XX
PS   Disclosure; Col 3; 37pp; English.
XX
CC   The invention relates to an isolated nucleic acid molecule (I) that
CC   encodes a Zven1 polypeptide. (I) is useful for inhibiting the
CC   proliferation of tumour cells, as probes or primers to clone 5' non-
CC   coding regions of a Zven gene, to direct the expression of heterologous
CC   gene in tissues of, for example, transgenic animals or patients treated
CC   with gene therapy, to detect the expression of a Zven1 or Zven2 gene in a
CC   biological sample, to detect activated neutrophils, to identify
CC   therapeutic or prophylactic agents that modulate the response of a
CC   neutrophil to a pathogen, to determine whether a subject's chromosomes
CC   contain a mutation in the Zven gene, or to detect aberrations in Zven1 or
CC   Zven2 locus. (I) is useful as educational tools, as laboratory practicum
CC   kits for courses related to genetics and molecular biology, protein
CC   chemistry and antibody production and analysis. The present sequence
CC   represents the amino acid sequence of ZVEN2
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 48
ABU72559
ID   ABU72559 standard; protein; 105 AA.
XX
AC   ABU72559;
XX
DT   17-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; cytostatic; anti-HIV;
KW   virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy;
KW   PRO; pharmaceutical; diagnostic; biosensor; bioreactor; malignancy;
KW   cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukaemia;
KW   lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;
KW   drug screening.
XX
OS   Homo sapiens.
XX
PN   US2003003531-A1.
XX
PD   02-JAN-2003.
XX
PF   19-NOV-2001; 2001US-00989734.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
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PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-352829/33.
DR   N-PSDB; ACA64406.
XX
PT   New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
PT   PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
PT   sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
PT   disease.
XX
PS   Claim 12; Fig 266; 663pp; English.
XX
CC   The invention describes a new isolated nucleic acid molecule comprising
CC   the full length coding sequence of the DNA deposited with the American
CC   Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,
CC   209439, 203135, etc); or a sequence with at least 80% identity to a DNA
CC   encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
CC   useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These
CC   are particularly useful for detecting or treating e.g. malignancies or
CC   cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
CC   leukaemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
CC   disease in mammals. The PRO polypeptides are useful in drug screening,
CC   particularly as targets for therapeutic intervention in these diseases,
CC   and in the diagnostic determination of the presence of these diseases.
CC   The PRO polypeptides are also useful as molecular weight markers, or for
CC   chromosome identification. The PRO genes are useful as hybridisation
CC   probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
CC   The PRO genes may also be used in gene therapy, particularly for
CC   replacing a defective gene. This is the amino acid sequence of a novel
CC   human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 49
ABU66804
ID   ABU66804 standard; protein; 105 AA.
XX
AC   ABU66804;
XX
DT   23-MAY-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO polypeptide; secreted and transmembrane protein;
KW   tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;
KW   differentiation; chondrocyte; tumour; genetic disorder; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003036180-A1.
XX
PD   20-FEB-2003.
XX
PF   09-MAY-2002; 2002US-00143114.
XX
PR   31-MAR-1997;   97WO-US005230.
```

PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-332040/31.
DR N-PSDB; ACA03837.
XX
PT New secreted and transmembrane PRO nucleic acids, useful for gene
PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue
PT typing, and in chromosome identification.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The PRO polypeptides are useful for
CC for stimulating the release of tumour necrosis factor (TNF)-alpha from
CC human blood, for stimulating the proliferation or differentiation of
CC chondrocytes, and detecting the presence of tumours. The polynucleotide
CC sequences encoding PRO polypeptides are useful as hybridisation probes,
CC in chromosome and gene mapping, in the generation of antisense RNA and
CC DNA, in the preparation of PRO polypeptides, for generating transgenic
CC animals or knockout animals, for the genetic analysis of individuals with
CC genetic disorders, and in gene therapy. ABU66570-ABU66844 represent the
CC human PRO polypeptides of the invention. Note: The sequence data for this
CC patent was obtained in electronic format directly from the USPTO web site
CC at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

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RESULT 50
ABU59885
ID   ABU59885 standard; protein; 105 AA.
XX
AC   ABU59885;
XX
DT   13-MAY-2003  (first entry)
XX
DE   Novel secreted and transmembrane protein PRO1186.
XX
KW   Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW   cardiac insufficiency disorder; cancer; tumour; immune response;
KW   adrenal cortical capillary endothelial growth; c-fos induction;
KW   vascular endothelial growth factor inhibition; VEGF inhibition;
KW   endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW   retinal neurons cell survival; rod photoreceptor cell survival;
KW   retinal disorder; retinitis pigmentosum; kidney disorder;
KW   mammalian kidney mesangial cell proliferation; Berger disease;
KW   dermatitis; herpetiformis; Crohn's disease; chondrocyte proliferation;
KW   chondrocyte redifferentiation; sports injury; arthritis.
XX
OS   Homo sapiens.
XX
PN   US2003017563-A1.
XX
PD   23-JAN-2003.
XX
PF   07-MAY-2002; 2002US-00140808.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
PR   19-JUN-2001; 2001US-00886342.
PR   20-JUN-2001; 2001WO-US019692.
PR   21-JUN-2001; 2001US-00887879.
PR   22-JUN-2001; 2001WO-US020116.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-148238/14.
DR   N-PSDB; ABX89375.
XX
PT   Two hundred and seventy five nucleic acids encoding PRO polypeptides,
PT   useful for treating pericyte-associated tumors, diabetes and various bone
PT   and/or cartilage disorders, e.g. arthritis.
XX
PS   Claim 12; Fig 470; 659pp; English.
XX
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CC   The invention describes an isolated human PRO polypeptide. The PRO
CC   polypeptides are useful in detecting PRO polypeptides in a sample, in
CC   linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC   in modulating at least one biological activity of a cell expressing a PRO
CC   polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC   useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC   stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC   PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC   PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC   useful for treating conditions or disorders where angiogenesis would be
CC   beneficial, e.g. wound healing and antagonist of this polypeptide are
CC   useful for treating cancerous tumours. PRO812 inhibits vascular
CC   endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC   cells and is thus useful for inhibiting endothelial cell growth in
CC   mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC   PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC   stimulated T-lymphocytes and are therapeutically useful for enhancing
CC   immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC   retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC   rod photoreceptor cells) and therefore are useful for treating retinal
CC   disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO819, PRO813
CC   and PRO11066 induce proliferation of mammalian kidney mesangial cells,
CC   and therefore are useful for treating kidney disorders associated with
CC   decreased mesangial cell function such as Berger disease or other
CC   nephropathies associated with dermatitis, herpetiformis or Crohn's
CC   disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC   proliferation and/or redifferentiation of chondrocytes in culture and are
CC   thus useful for treating sports injuries, and arthritis. This is the
CC   amino acid sequence of a novel human PRO protein
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 51
ABU59308
ID   ABU59308 standard; protein; 105 AA.
XX
AC   ABU59308;
XX
DT   22-APR-2003  (first entry)
XX
DE   Human secreted/transmembrane protein, #151.
XX
KW   Human; PRO; secreted; transmembrane; pharmaceutical; diagnostic;
KW   biosensor; bioreactor; tumour; therapeutic; gene therapy;
KW   tumour-associated antigenic target; TAT; ADEPT;
KW   antibody-dependent enzyme mediated prodrug therapy; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003027162-A1.
XX
PD   06-FEB-2003.
XX
PF   15-NOV-2001; 2001US-00997428.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   19-JUN-1998;   98US-0089947P.
PR   19-JUN-1998;   98US-0089948P.
PR   19-JUN-1998;   98US-0089952P.
PR   22-JUN-1998;   98US-0090246P.
PR   22-JUN-1998;   98US-0090252P.
PR   22-JUN-1998;   98US-0090254P.
PR   23-JUN-1998;   98US-0090349P.
PR   23-JUN-1998;   98US-0090355P.
PR   24-JUN-1998;   98US-0090429P.
PR   24-JUN-1998;   98US-0090431P.
PR   24-JUN-1998;   98US-0090435P.
PR   24-JUN-1998;   98US-0090444P.
PR   24-JUN-1998;   98US-0090445P.
PR   24-JUN-1998;   98US-0090472P.
PR   24-JUN-1998;   98US-0090535P.
PR   24-JUN-1998;   98US-0090540P.
PR   24-JUN-1998;   98US-0090542P.
PR   24-JUN-1998;   98US-0090557P.
PR   25-JUN-1998;   98US-0090676P.
PR   25-JUN-1998;   98US-0090678P.
PR   25-JUN-1998;   98US-0090690P.
PR   25-JUN-1998;   98US-0090694P.
PR   25-JUN-1998;   98US-0090695P.
PR   25-JUN-1998;   98US-0090696P.
PR   26-JUN-1998;   98US-0090862P.
PR   26-JUN-1998;   98US-0090863P.
PR   01-JUL-1998;   98US-0091360P.
PR   01-JUL-1998;   98US-0091544P.
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PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
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PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
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PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 52
ABO26005
ID ABO26005 standard; protein; 105 AA.
XX
AC ABO26005;
XX
DT 10-SEP-2003 (first entry)
XX
DE Human PRO1186 polypeptide.
XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
KW genetic disorder; antibacterial; immunosuppressive.
XX
OS Homo sapiens.
XX
PN US2002127576-A1.
XX
PD 12-SEP-2002.
XX
PF 14-NOV-2001; 2001US-00991073.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
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PR 17-JUN-1998; 98US-0089600P.
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PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-340824/32.
DR N-PSDB; ACD44374.
XX
PT Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT and are therapeutically useful for enhancing immune responses.
XX
PS Claim 12; Fig 266; 661pp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The polynucleotide sequences
CC encoding PRO polypeptides are useful as hybridisation probes, in
CC chromosome and gene mapping, in the generation of antisense RNA and DNA,
CC in the preparation of PRO polypeptides, for generating transgenic animals
CC or knockout animals, to construct hybridisation probes for mapping the
CC gene which encodes the PRO polypeptide, and for the genetic analysis of
CC individuals with genetic disorders, in gene therapy, for chromosome
CC identification, as chromosome markers, and for generating probes for PCR,
CC Northern analysis, Southern analysis and Western analysis. ABO25891-
CC ABO26037 represent the human PRO polypeptides of the invention. Note: The
CC sequence data for this patent was obtained in electronic format directly
CC from the USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 53
ABO25075
ID ABO25075 standard; protein; 105 AA.
XX
AC ABO25075;
XX
DT 05-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #235.
XX
KW Human; PRO; secreted protein; transmembrane protein; tumour; cytostatic;

KW gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
KW proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
KW PBMC; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
KW chondrocyte cell proliferation; chondrocyte cell differentiation;
KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell; A-peptide; factor VIIA.
XX
OS Homo sapiens.
XX
PN US2003036179-A1.
XX
PD 20-FEB-2003.
XX
PF 10-MAY-2002; 2002US-00142431.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
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PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-466355/44.
DR N-PSDB; ACD42029.
XX
PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
PT PRO4978, useful in molecular biology, chromosome and gene mapping, in
PT generating antisense RNA and DNA, and in gene therapy.
XX
PS Claim 12; Fig 470; 659pp; English.
XX
CC The invention relates to an isolated nucleic acid comprising at least 80%
CC sequence identity to a PRO (secreted and transmembrane protein) cDNA
CC comprising a nucleic acid (a) encoding a PRO polypeptide, or its
CC extracellular domain (with or without its associated signal peptide),
CC which comprises any of the 275 120-850 residue amino acid sequences,
CC given in the specification; (b) comprising any of the 275 300-3500
CC nucleotide sequences, given in the specification; or (c) comprising the
CC full-length coding sequence of the nucleotide sequences given in the
CC specification, or of the DNA deposited under any of the American Type
CC Culture Collection (ATCC) Accession Numbers listed in the specification.
CC Also included are a vector comprising the novel nucleic acid, a host cell
CC comprising the vector, producing a PRO polypeptide, the isolated PRO
CC polypeptides detailed above, a chimaeric molecule comprising the PRO
CC polypeptide of fused to a heterologous amino acid sequence, an anti-PRO
CC antibody, detecting a PRO polypeptide in a sample suspected of containing
CC the PRO polypeptide, linking a bioactive molecule to a cell expressing a

```
CC   PRO polypeptide, modulating at least one biological activity of a cell
CC   expressing a PRO polypeptide, stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, (or proteoglycans from
CC   cartilage or cytokine from peripheral blood mononuclear cells (PBMC)),
CC   modulating the uptake of glucose or FFA by skeletal muscle cells or
CC   adipocyte cells, stimulating the proliferation or differentiation of
CC   chondrocyte cells (or proliferation of or gene expression in pericyte
CC   cells), stimulating the proliferation of inner ear utricular supporting
CC   cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the
CC   binding of A-peptide to factor VIIA, or differentiation of adipocyte
CC   cells, detecting the presence of a tumour in a mammal and an
CC   oligonucleotide probe derived from any of the nucleotide sequences given
CC   in the specification. The polynucleotide is useful in molecular biology,
CC   including uses as hybridisation probes, in chromosome and gene mapping,
CC   in generating antisense RNA and DNA, and in gene therapy. The
CC   polynucleotide may also be used in preparing PRO polypeptides by
CC   recombinant techniques, and in generating either transgenic animals or
CC   knock-out animals which, in turn, are useful in the development and
CC   screening of therapeutically useful reagents. The PRO polypeptide or the
CC   antibody is used in preparing a medicament for treating a condition
CC   responsive to the polypeptide or antibody, such as tumours, and in
CC   various diagnostic assays. The present sequence rperesents a PRO
CC   polypeptide
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              |||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 54
ABU82130
ID   ABU82130 standard; protein; 105 AA.
XX
AC   ABU82130;
XX
DT   25-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1166.
XX
KW   Human; secreted and transmembrane protein; PRO; cardiant; cytostatic;
KW   antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic;
KW   gene therapy; cardiovascular disorder; endothelial disorder;
KW   angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW   age-related macular degeneration; atherosclerosis; hypertension;
KW   arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW   thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW   liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX
OS   Homo sapiens.
XX
PN   US2003088063-A1.
XX
PD   08-MAY-2003.
XX
PF   12-AUG-2002; 2002US-00219003.
XX
PR   25-JUL-2000; 2000US-0220664P.
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-393229/37.
DR   N-PSDB; ACA68579.
XX
PT   One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT   useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT   infarction), endothelial or angiogenic disorders in a mammal.
XX
PS   Claim 11; Fig 166; 314pp; English.
XX
CC   The invention describes one hundred and eighty seven nucleic acids
CC   encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC   PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC   treating or diagnosing a cardiovascular, endothelial or angiogenic
CC   disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC   related macular degeneration, atherosclerosis, hypertension, arterial
CC   restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC   thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC   carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC   have applications in molecular biology, including use as hybridisation
CC   probes, and in chromosome and gene mapping. This is the amino acid
CC   sequence of a novel human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              |||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 55
ABU59014
ID   ABU59014 standard; protein; 105 AA.
XX
AC   ABU59014;
XX
DT   16-APR-2003  (first entry)
XX
DE   Human sectreted/transmembrane protein, #151.
XX
KW   Human; PRO; secreted; transmembrane; signal peptide; pharmaceutical;
KW   diagnostic; biosensor; bioreactor; tumour; therapeutic; colon cancer;
KW   lung cancer; breast cancer; cancer; gene therapy.
XX
OS   Homo sapiens.
XX
PN   US2002142961-A1.
XX
PD   03-OCT-2002.
XX
PF   19-NOV-2001; 2001US-00989721.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
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PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
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PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-155950/15.
XX
PT New secreted and transmembrane PRO polypeptides (e.g. PRO183, PRO184,
PT PRO361 or PRO846) useful as targets for therapeutic intervention in
PT cancers (e.g. lung or breast cancers), or for diagnosing these cancers.
XX
PS Claim 12; Fig 266; 647pp; English.
XX
CC The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid
CC encoding them. The polypeptides can be used to raise antibodies that
CC specifically bind to the PRO polypeptide, for linking a bioactive
CC molecule to a cell expressing a PRO protein and for modulating at least
CC one biological activity of a cell. The PRO polypeptides or
CC polynucleotides are also useful as pharmaceuticals, diagnostics,
CC biosensors or bioreactors, for detecting or treating e.g. tumours in
CC mammals, e.g. humans, dogs, cats, cattle, horses, sheep, pigs, goats or
CC rabbits as targets for therapeutic intervention in certain cancers (e.g.
CC colon, lung or breast cancers) and diagnostic determination of the
CC presence of these cancers. The PRO polypeptides are also useful as
CC molecular weight markers or for chromosome identification. The PRO genes
CC are useful as hybridisation probes or for screening libraries of human
CC cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
CC therapy, particularly for replacing a defective gene. The sequences
CC presented in ABU58900-ABU59046 are the PRO polypeptides of the invention
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 56
ABU92392
ID ABU92392 standard; protein; 105 AA.
XX
AC ABU92392;
XX
DT 16-JUL-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO; PRO183; PRO184; PRO185;
KW PRO943; PRO1133; PRO331; PRO1387; PRO363; PRO5723; PRO1114; PRO3301;
KW PRO9940; PRO1181; PRO7170; PRO361; PRO846; bioactive molecule; toxin;
KW radiolabel; antibody; cell death; tissue typing; gene therapy;

KW cytostatic; chromosome mapping; gene mapping; transgenic animal;
KW knockout animal; immunohistochemical staining.
XX
OS Homo sapiens.
XX
PN US2003022187-A1.
XX
PD 30-JAN-2003.
XX
PF 14-NOV-2001; 2001US-00993667.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
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PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.

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PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   22-DEC-1998;   98US-0113296P.
PR   05-JAN-1999;   99WO-US000106.
PR   20-FEB-1999;   99WO-US030911.
PR   08-MAR-1999;   99WO-US005028.
PR   12-MAR-1999;   99US-0123957P.
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
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PR   28-JUL-1999;   99US-0146222P.
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PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   23-JUN-2000; 2000US-0213637P.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.

  Query Match           100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 57
ABU59457
ID   ABU59457 standard; protein; 105 AA.
XX
AC   ABU59457;
XX
DT   22-APR-2003  (first entry)
XX
DE   Novel human secreted or transmembrane protein PRO1198.
XX
KW   Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW   cardiac insufficiency disorder; cancer; tumour; immune response;
KW   adrenal cortical capillary endothelial growth; c-fos induction;
KW   vascular endothelial growth factor inhibition; VEGF inhibition;
KW   endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW   retinal neurons cell survival; rod photoreceptor cell survival;
KW   retinal disorder; retinitis pigmentosum; kidney disorder;
KW   mammalian kidney mesangial cell proliferation; Berger disease;
KW   dermatitis; herpetiformis; Crohn's disease; chondrocyte proliferation;
KW   chondrocyte redifferentiation; sports injury; arthritis.
XX
OS   Homo sapiens.
XX
PN   US2003027985-A1.
XX
PD   06-FEB-2003.
XX
PF   14-NOV-2001; 2001US-00990562.
XX
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PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
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PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
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PR   04-JUN-1998;   98US-0088030P.
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PR   05-JUN-1998;   98US-0088212P.
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PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
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PR   17-JUN-1998;   98US-0089598P.
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PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   19-JUN-1998;   98US-0089947P.
PR   19-JUN-1998;   98US-0089948P.
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Best Local Similarity 100.0%; Pred. No. 3.5e-86;
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 58
ABU67080
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AC ABU67080;
XX
DT 27-MAY-2003 (first entry)
XX
DE Human secreted/transmembrane, PRO, protein SEQ ID 470.
XX
KW Human; secreted protein; transmembrane protein; PRO;
KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;
KW infertility; birth defects; premature aging; AIDS; biosensor;
KW acquired immunodeficiency syndrome; cancer; diabetic complication;
KW bioreactor; tumour.
XX
OS Homo sapiens.
XX
PN US2003032155-A1.
XX

PD 13-FEB-2003.
XX
PF 03-MAY-2002; 2002US-00137865.
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PR 06-JAN-2000; 2000WO-US000277.
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PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-331925/31.
DR N-PSDB; ACA04258.
XX
PT New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
PS Claim 12; Fig 470; 659pp; English.
XX
CC The invention relates to an isolated nucleic acid comprising, or which is
CC at least 80% identical to, or the full-length coding sequence of, any of
CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
CC (one of 275 secreted or transmembrane proteins). The nucleic acid further
CC comprises the full-length coding sequence of the DNA deposited under
CC American Type Culture Collection (ATCC) accession number in a list given
CC in the specification. Also included are vectors and host cells for
CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO
CC extracellular domains and mature sequences, methods of detecting PRO
CC proteins, methods for stimulating the release of TNF-alpha (tumour
CC necrosis factor alpha) from human blood, (and the proliferation of
CC differentiation of chondrocyte cells, the proliferation of, or gene
CC expression in pericyte cells, the release or proteoglycans from
CC cartilage, proliferation of inner ear urticular supporting cells, the
CC proliferation of T-lymphocyte cells, the release of a cytokine from
CC peripheral blood mononuclear cells (PBMC), or the proliferation of
CC endothelial cells), a method for modulating the uptake of glucose or free
CC fatty acid (FFA) by skeletal muscle cells, a method for inhibiting the
CC binding of A-peptide to factor VIIA, or the differentiation of adipocyte
CC cells, a method for detecting the presence of a tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The nucleic acids and polypeptides are useful for treating
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
CC infertility, birth defects, premature aging, AIDS (acquired
CC immunodeficiency syndrome), cancer, or diabetic complications. The
CC nucleic acids are useful as hybridisation probes, in chromosome and gene

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CC   mapping, and in generating antisense RNA or DNA. The polypeptides are
CC   useful as pharmaceuticals, diagnostics, biosensors or bioreactors. Both
CC   are useful in tissue typing. The present sequence represents a PRO
CC   protein of the invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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RESULT 59
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ID   ABU92223 standard; protein; 105 AA.
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DT   16-JUL-2003  (first entry)
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DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO; nootropic;
KW   neuroprotective; antiparkinsonian; cytostatic; gene therapy;
KW   chromosome mapping; gene mapping; transgenic animal; knock-out animal;
KW   neurodegenerative disorder; Parkinson's disease; Alzheimer's disease.
XX
OS   Homo sapiens.
XX
PN   US2003017476-A1.
XX
PD   23-JAN-2003.
XX
PF   20-NOV-2001; 2001US-00989724.
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PR   07-OCT-1998;   98WO-US021141.
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PR   22-DEC-1998;   98US-0113296P.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   12-MAR-1999;   99US-0123957P.
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   23-JUN-2000; 2000US-0213637P.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 60
ABU10929
ID   ABU10929 standard; protein; 105 AA.
XX
AC   ABU10929;
XX
DT   04-FEB-2003  (first entry)
XX
DE   Human PRO polypeptide #115.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide; toxin;
KW   radiolabel; cell death; gene mapping; chromosome mapping;
KW   protein electrophoresis; genetic disorder; immunosuppressive; cytostatic;
KW   antibacterial.
XX
OS   Homo sapiens.
XX
PN   US2002123463-A1.
XX
PD   05-SEP-2002.
XX
PF   19-NOV-2001; 2001US-00989732.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
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PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
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PR   10-JUN-1998;   98US-0088742P.
PR   10-JUN-1998;   98US-0088810P.
PR   10-JUN-1998;   98US-0088824P.
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PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   06-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-066810/06.
DR   N-PSDB; ABX17148.
XX
PT   Novel secreted and transmembrane polypeptide for modulating biological
PT   activity of cell expressing the polypeptide, identifying agonists or
PT   antagonists of polypeptide, and as molecular weight markers.
XX
PS   Claim 12; Fig 266; 655pp; English.
XX
CC   The invention relates to a secreted and transmembrane polypeptide, termed
CC   PRO polypeptide, and the polynucleotide encoding it. The polypeptide is
CC   useful for detecting PRO polypeptides and for linking a bioactive
CC   molecule to a cell expressing the above polypeptides, where the bioactive
CC   molecule is a toxin, radiolabel or an antibody. The bioactive material
CC   causes the death of the cell. The polypeptide is useful for identifying
CC   agonists or antagonists of the PRO polypeptide, for preparing variants of
CC   PRO, as a molecular weight marker for protein electrophoresis purposes
CC   and the PRO polynucleotide is useful for recombinantly expressing those
CC   markers. The polynucleotide is also useful as a hybridisation probe, in
CC   chromosome and gene mapping, in generation of antisense RNA and DNA, in
CC   the preparation of PRO polypeptide, for generating transgenic animals or
CC   knockout animals which in turn are useful in the development and
CC   screening of therapeutically useful reagents, to construct hybridisation
CC   probes for mapping the gene which encodes PRO and for the genetic
CC   analysis of individuals with genetic disorders, in gene therapy, for
CC   chromosome identification, as a chromosome marker and for generating
CC   probes for PCR, Northern analysis, Southern analysis and Western
CC   analysis. This sequence represents a human PRO polypeptide of the
CC   invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 61
ABU81681
ID   ABU81681 standard; protein; 105 AA.
XX
AC   ABU81681;
XX
DT   24-JUN-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; gene therapy; PRO; PRO943;
KW   PRO183; PRO184; PRO185; PRO331; PRO1133; PRO363; PRO5723; PRO1387;
KW   PRO1114; PRO3301; PRO9940; PRO1181; PRO7170; PRO361; PRO846;
KW   bioactive molecule; toxin; radiolabel; antibody; cell death; cancer;
KW   autoimmune disease; chromosome mapping; gene mapping; transgenic animal;
KW   knockout animal; septic shock.
XX
OS   Homo sapiens.
XX
PN   US2002177164-A1.
XX
PD   28-NOV-2002.
XX
PF   20-NOV-2001; 2001US-00989293.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
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PR   20-MAR-1998;   98US-0078910P.
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PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
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PR   04-JUN-1998;   98US-0088326P.
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PR   05-JUN-1998;   98US-0088202P.
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PR   12-JUN-1998;   98US-0089105P.
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PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   28-AUG-2001; 2001US-00941992.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2003-328481/31.
DR   N-PSDB; ACA68003.
XX
PT   New secreted and transmembrane polypeptide, useful for modulating
PT   biological activity of cell expressing the polypeptide, for identifying
PT   agonists or antagonists of polypeptide, and as molecular weight markers.
XX
PS   Claim 12; Fig 266; 654pp; English.
XX
CC   The invention describes an isolated, secreted and transmembrane
CC   polypeptide (I), termed PRO polypeptide. (I) is useful for detecting
CC   PRO943, PRO183, PRO184, PRO185, PRO331, PRO1133, PRO363, PRO5723,
CC   PRO1387, PRO1114, PRO3301, PRO9940, PRO1181, PRO7170, PRO361 or PRO846
CC   polypeptide comprising contacting the sample with the polypeptide and
CC   determining formation of a polypeptide conjugate. (I) is also useful for
CC   linking a bioactive molecule e.g. toxin, radiolabel or antibody, to a
CC   cell expressing the above polypeptides to cause cell death. (I) is also
CC   useful as a therapeutic agent e.g. for treating cancer and autoimmune
CC   disease. PRO is useful in assays to identify other proteins or molecules
CC   involved in binding interactions. The polynucleotide (II) encoding (I) is
CC   useful in chromosome and gene mapping, for generating transgenic animals
CC   or knockout animals which in turn are useful in the development and
CC   screening of therapeutically useful reagents, for the genetic analysis of
CC   individuals with genetic disorders, in gene therapy, for chromosome
CC   identification, and as a chromosome marker. An anti-(I)-antibody is
CC   useful in diagnostic assays for PRO, e.g. detecting its expression in
CC   specific cells, tissues or serum, for affinity purification of PRO, and
CC   for treating septic shock. This is the amino acid sequence of a novel
CC   human secreted and transmembrane PRO polypeptide
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 62
ABU88620
ID   ABU88620 standard; protein; 105 AA.
XX
AC   ABU88620;
XX
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DT 11-AUG-2003 (first entry)
XX
DE Human secreted and transmembrane polypeptide PRO1186.
XX
KW Human; gene therapy; cancer; retinal disorder; wound healing;
KW kidney disorder.
XX
OS Homo sapiens.
XX
PN US2002197615-A1.
XX
PD 26-DEC-2002.
XX
PF 16-NOV-2001; 2001US-00991181.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
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PR 04-JUN-1998; 98US-0088033P.
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PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
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PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
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PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
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PR 17-JUN-1998; 98US-0089532P.
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PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-370792/35.
DR N-PSDB; ACA88452.
XX
PT New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for the preparation of a medicament for treating a
PT condition that is responsive to the PRO polypeptide. e.g., cancer.
XX
PS Claim 12; Fig 266; 647pp; English.
XX
CC The invention relates to an isolated nucleic acid encoding a PRO
CC polypeptide. The polypeptide, agonist, antagonist and antibody are useful
CC for the preparation of a medicament for treating a condition that is
CC responsive to the PRO polypeptide. The nucleotide sequence is useful in
CC molecular biology including being used as hybridisation probes, in
CC chromosome and gene mapping and in the generation of anti-sense RNA and
CC DNA. The PRO polypeptides can also be used in the treatment of e.g.
CC cancer, retinal disorders, wound healing and kidney disorders. The
CC present sequence represents the amino acid sequence of a human secreted
CC and transmembrane PRO polypeptide of the present invention. Note: The
CC sequence data for this patent did not form part of the printed
CC specification but was obtained in electronic format directly from USPTO
CC at seqdata.uspto.gov/sequence.html?DocID=20020197615
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 63
ABO34134
ID ABO34134 standard; protein; 105 AA.
XX
AC ABO34134;
XX
DT 19-SEP-2003 (first entry)
XX
DE Human PRO1186 polypeptide.
XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
KW biosensor; bioreactor; tumour; cancer; diabetes; ALS; ulcer;
KW rheumatoid arthritis; amyotrophic lateral sclerosis; cytostatic;
KW antidiabetic; antiarthritic; antirheumatic; antiulcer.
XX
OS Homo sapiens.
XX
PN US2003017981-A1.
XX
PD 23-JAN-2003.
XX
PF 20-NOV-2001; 2001US-00989728.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
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PR 05-JUN-1998; 98US-0088202P.
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PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
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PR 10-JUN-1998; 98US-0088742P.
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PR 10-JUN-1998; 98US-0088824P.
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PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
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PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
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PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
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PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
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PR 01-JUL-1998; 98US-0091544P.
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PR 07-JUL-1998; 98US-0091982P.
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PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
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PR 11-AUG-1998; 98US-0096146P.
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PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.

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PR   20-AUG-1998;   98US-0097218P.
PR   24-AUG-1998;   98US-0097661P.
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PR   26-AUG-1998;   98US-0097954P.
PR   26-AUG-1998;   98US-0097955P.
PR   26-AUG-1998;   98US-0097971P.
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PR   26-AUG-1998;   98US-0098014P.
PR   31-AUG-1998;   98US-0098525P.
PR   16-SEP-1998;   98US-0100634P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98US-0100858P.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   22-DEC-1998;   98US-0113296P.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   12-MAR-1999;   99US-0123957P.
PR   02-JUN-1999;   99WO-US012252.
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PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
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PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   23-JUN-2000; 2000US-0213637P.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   07-SEP-2000; 2000US-0230978P.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 64
ADA45989
ID   ADA45989 standard; protein; 105 AA.
XX
AC   ADA45989;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO;
KW   Tumour necrosis factor alpha release; TNF-alpha release;
KW   glucose uptake modulator; FFA uptake modulator;
KW   cell proliferation stimulator; cell differentiation stimulator;
KW   cell differentiation inihibitor; cytokine release stimulator; tumour;
KW   lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW   gene therapy; chromosome identification; chromosome marker.
XX
OS   Homo sapiens.
XX
PN   US2003022328-A1.
XX
PD   30-JAN-2003.
XX
PF   16-APR-2002; 2002US-00123904.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
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PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
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PR 22-JUN-2001; 2001WO-US020116.
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PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-584997/55.
DR N-PSDB; ADA45988.
XX
PT Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
PS Claim 12; Fig 470; 659pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 65
ADA76420
ID ADA76420 standard; protein; 105 AA.
XX
AC ADA76420;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003073212-A1.
XX
PD 17-APR-2003.

XX
PF 16-APR-2002; 2002US-00123903.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-687639/65.
DR N-PSDB; ADA76419.
XX
PT New isolated nucleic acid encoding a secreted and transmembrane
PT polypeptide, designated e.g. PRO1114 or PRO4978, useful in chromosome and
PT gene mapping, in generating antisense RNA and DNA, and in gene therapy.
XX
PS Claim 12; Fig 470; 659pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-

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CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 66
ABJ72310
ID   ABJ72310 standard; protein; 105 AA.
XX
AC   ABJ72310;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human PRO1186 protein.
XX
KW   PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW   differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX
OS   Homo sapiens.
XX
PN   US2003050448-A1.
XX
PD   13-MAR-2003.
XX
PF   28-AUG-2002; 2002US-00230414.
XX
PR   01-JUN-2001; 2001WO-US017800.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-APR-2002; 2002US-00119480.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Desnoyers L,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Smith V,  Stephan JF,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2003-521818/49.
DR   N-PSDB; ABT44308.
XX
PT   New nucleic acid encoding for a PRO protein, useful for the manufacture
PT   of a medicament for diagnosing or treating tumors or for measuring or
PT   detecting expression of an associated gene.
XX
PS   Claim 11; Fig 166; 315pp; English.
XX
CC   The invention relates to a novel isolated nucleic acid encoding a fully
CC   defined PRO polypeptide. The molecules of the invention may be useful for
CC   stimulating proliferation or gene expression in pericyte cells or the
CC   release of TNF-alpha from human blood. Other possible uses include the
CC   stimulation or inhibition of chondrocyte proliferation or
CC   differentiation, the stimulation of human dermal fibroblast cell
CC   proliferation and the detection of the presence of a tumour within a
CC   mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC   of a medicament for diagnosing or treating a tumour within a mammal or
CC   for measuring or detecting the expression of an associated gene, as well
CC   as during gene therapy. The current sequence is that of the human PRO
CC   protein of the invention
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 67
ADA19070
ID   ADA19070 standard; protein; 105 AA.
XX
AC   ADA19070;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell; lung;
KW   colon; breast; prostate; rectum; cervix; liver; tumour; cancer;
KW   glucose uptake; FFA; adipocyte cell; pericyte cell; proteoglycan;
KW   cartilage; inner ear utricular supporting cell; cytokine; A-peptide;
KW   factor VIIA; endothelial cell.
XX
OS   Homo sapiens.
XX
PN   US2003054517-A1.
XX
PD   20-MAR-2003.
XX
PF   08-MAY-2002; 2002US-00141755.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
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PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-521854/49.
DR N-PSDB; ADA19069.
XX
PT New PRO nucleic acid, useful for preparing a composition for treating
PT e.g., tumors.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. lung, colon, breast,
CC prostate, rectal, cervical and liver tumours). The polynucleotides are
CC useful in molecular biology, including uses as hybridisation probes, in
CC chromosome and gene mapping, in generating antisense RNA and DNA and in
CC gene therapy. The polynucleotides may also be used in preparing PRO
CC polypeptides by recombinant techniques and in generating either
CC transgenic animals or knock-out animals which are useful in the
CC development and screening of therapeutically useful reagents. The PRO
CC polypeptides or antibodies are used in preparing a medicament for
CC treating a condition responsive to the polypeptides or antibodies, such
CC as tumours, for modulating the uptake of glucose or FFA by adipocyte
CC cells, for stimulating the proliferation of or gene expression in
CC pericyte cells, for stimulating the release of proteoglycans from
CC cartilage, for stimulating the proliferation of inner ear utricular
CC supporting cells, for stimulating the release of cytokines from PBMC
CC cells, for inhibiting the binding of A-peptide to factor VIIA, for
CC inhibiting the differentiation of adipocyte cells and for stimulating the
CC proliferation of endothelial cells. This sequence represents a human PRO
CC polypeptide of the invention. Note: The sequence data for this patent is
CC also available in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
```

RESULT 68
ADA61693
ID ADA61693 standard; protein; 105 AA.
XX
AC ADA61693;
XX
DT 20-NOV-2003 (first entry)
XX
DE Homo sapiens.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Novel.
OS human.
OS secreted.

OS and.
OS transmembrane.
OS protein.
OS PRO1186.
XX
PN US2003049816-A1.
XX
PD 13-MAR-2003.
XX
PF 15-APR-2002; 2002US-00123262.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-695892/66.
DR N-PSDB; ADA61692.
XX
PT New PRO nucleic acid and encode polypeptides, are useful for
PT manufacturing a medicament for diagnosing or treating cancer.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and

```
CC   screening of therapeutically useful reagents, in gene therapy, for
CC   chromosome identification, as chromosome marker, and for generating
CC   probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC   detecting its expression in specific cells, tissues or serum, and for
CC   affinity purification of PRO from recombinant cell culture or natural
CC   sources. (I) and (II) are useful for tissue typing. This is the amino
CC   acid sequence of a novel human secreted and transmembrane PRO
CC   polypeptide.
XX
SQ   Sequence 105 AA;

  Query Match           100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 69
ADB19478
ID   ADB19478 standard; protein; 105 AA.
XX
AC   ADB19478;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO;
KW   Tumour necrosis factor alpha release; TNF-alpha release;
KW   glucose uptake modulator; FFA uptake modulator;
KW   cell proliferation stimulator; cell differentiation stimulator;
KW   cell differentiation inihibitor; cytokine releas.
XX
OS   Homo sapiens.
XX
PN   US2003068796-A1.
XX
PD   10-APR-2003.
XX
PF   15-APR-2002; 2002US-00123261.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
PR   19-JUN-2001; 2001US-00886342.
PR   20-JUN-2001; 2001WO-US019692.
PR   21-JUN-2001; 2001US-00887879.
PR   22-JUN-2001; 2001WO-US020116.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
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PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-695927/66.
DR   N-PSDB; ADB19477.
XX
PT   Novel secreted and transmembrane PRO polypeptides useful for stimulating
PT   the release of tumor necrosis factor alpha and detecting the presence of
PT   a tumor in a mammal.
XX
PS   Claim 12; Fig 470; 660pp; English.
XX
CC   The invention describes 305 nucleic acids encoding PRO (secreted and
CC   transmembrane) polypeptides (I). (I) is useful for stimulating the
CC   release of TNF-alpha from human blood, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyt
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 70
ADB28019
ID   ADB28019 standard; protein; 105 AA.
XX
AC   ADB28019;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003082704-A1.
XX
PD   01-MAY-2003.
XX
PF   24-APR-2002; 2002US-00131819.
XX
PR   09-DEC-1999;   99US-0170262P.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-765415/72.
DR   N-PSDB; ADB28018.
XX
PT   New PRO nucleic acid, useful for preparing a composition for treating
PT   e.g., tumor or for tissue typing.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   the USPTO website at seqdata.uspto.gov.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 71
ADA86498
ID   ADA86498 standard; protein; 105 AA.
XX
AC   ADA86498;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO;
KW   Tumour necrosis factor alpha release; TNF-alpha release;
KW   glucose uptake modulator; FFA uptake modulator;
```

KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003082711-A1.
XX
PD 01-MAY-2003.
XX
PF 16-MAY-2002; 2002US-00147508.
XX
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUN-1999; 99WO-US012252.
PR 07-JUL-1999; 99US-0143048P.
PR 25-AUG-1999; 99US-00380137.
PR 30-MAR-2000; 2000WO-US008439.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786914/74.
DR N-PSDB; ADA86497.
XX
PT New PRO nucleic acid, useful for preparing a composition for treating
PT e.g., tumor or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 72
ADB16062
ID ADB16062 standard; protein; 105 AA.
XX
AC ADB16062;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003087350-A1.
XX
PD 08-MAY-2003.
XX
PF 22-APR-2002; 2002US-00127821.
XX
PR 04-AUG-1998; 98US-0095301P.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 30-MAR-2000; 2000WO-US008439.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786941/74.
DR N-PSDB; ADB16061.
XX
PT New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT and for manufacturing a medicament for diagnosing or treating tumor.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a

```
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 73
ADA37882
ID   ADA37882 standard; protein; 105 AA.
XX
AC   ADA37882;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human secreted/transmembrane protein PRO1186.
XX
KW   PRO; secreted protein; transmembrane protein;
KW   hypertrophy of neonatal heart; angiogenesis;
KW   vascular endothelial growth factor; VEGF-stimulated proliferation;
KW   endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW   c-fos induction; adipocyte cell; chondrocyte differentiation;
KW   pancreatic beta-cell precursor differentiation; gene therapy; tumour;
KW   cancer; human; colon cancer; lung cancer; breast cancer;
KW   rod photoreceptor cell.
XX
OS   Homo sapiens.
XX
PN   US2003008297-A1.
XX
PD   09-JAN-2003.
XX
PF   15-NOV-2001; 2001US-00997653.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
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PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
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PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
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PR   10-JUN-1998;   98US-0088734P.
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PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089440P.
PR   16-JUN-1998;   98US-0089512P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
PR   17-JUN-1998;   98US-0089538P.
PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
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PR   18-JUN-1998;   98US-0089907P.
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PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   02-JUN-1999;   99WO-US012252.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
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PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-531419/50.
DR N-PSDB; ADA37881.
XX
PT New isolated PRO183, PRO184, PRO361 or PRO846 nucleic acid and secreted
PT transmembrane polypeptides, useful as targets for the diagnosis and
PT treatment of cancers, such as lung and breast cancers.
XX
PS Claim 12; Fig 266; 660pp; English.
XX
CC The invention relates to an isolated nucleic acid molecule comprising the
CC full-length coding sequence of the DNA ATCC Accession Numbers given in
CC the specification, or comprising a sequence with at least 80% identity
CC to: (a) a nucleotide encoding any of 147 PRO polypeptides, or an
CC extracellular domain of the polypeptide; or (b) any of 147 nucleotide
CC sequences fully defined in the specification. Also included are the PRO
CC proteins (or their extracellular domains with or without their associated
CC extracellular domains), expression vectors, host cells, PRO chimaeric
CC proteins, anti-PRO antibodies, methods of detecting polypeptide in a
CC sample, methods of linking a bioactive molecule to a cell expressing a
CC polypeptide and methods of modulating at least one biological activity of
CC a cell expressing the polypeptide. The PRO polypeptides or
CC polynucleotides are useful as pharmaceuticals, diagnostics, biosensors or
CC bioreactors. These are useful for stimulating hypertrophy of neonatal
CC heart, promoting angiogenesis, inhibiting vascular endothelial growth
CC factor (VEGF)-stimulated proliferation of endothelial cells, modulating
CC the proliferation of stimulated T-lymphocytes, enhancing the survival or
CC proliferation of retinal neurons or rod photoreceptor cells, inducing c-
CC fos in endothelial cells, modulating glucose or FFA uptake by adipocyte
CC cells, inducing proliferation and/or re-differentiation of chondrocytes,
CC or inducing pancreatic beta-cell precursor differentiation. In
CC particular, these are useful for detecting or treating tumours and
CC certain cancers (colon, lung or breast cancers) in mammals, e.g. humans,
CC dogs, cats, cattle, horses, sheep, pigs, goats, or rabbits. The PRO genes
CC may also be used in gene therapy, particularly for replacing a defective
CC gene. The present sequence represents a PRO protein.
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 74
ADA47848
ID ADA47848 standard; protein; 105 AA.
XX
AC ADA47848;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003073215-A1.
XX
PD 17-APR-2003.
XX
PF 07-MAY-2002; 2002US-00140925.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
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PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
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PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
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PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
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PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.

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PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
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PR   19-JUN-2001; 2001US-00886342.
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PR   21-JUN-2001; 2001US-00887879.
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PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI   Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI   Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR   WPI; 2003-644801/61.
DR   N-PSDB; ADA47847.
XX
PT   New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT   in gene therapy, detecting the presence of tumor in a mammal, or
PT   modulating the uptake of glucose or free fatty acid by skeletal muscle
PT   cells or adipocyte cells.
XX
PS   Claim 12; Fig 470; 659pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 75
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ID   ADA21568 standard; protein; 105 AA.
XX
AC   ADA21568;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human secreted/transmembrane polypeptide PRO1186.
XX
KW   human; tumour; cancer; colorectal cancer; gene therapy;
KW   chondrocyte differentiation; VEGF inhibition;
KW   vascular endothelial growth factor; Alzheimer's disease;
KW   Parkinson's disease; atherosclerosis; cystic fibrosis;
KW   multiple sclerosis; ovarian cancer; tissue typing.
XX
OS   Homo sapiens.
XX
PN   US2003054404-A1.
XX
PD   20-MAR-2003.
XX
PF   15-NOV-2001; 2001US-00997601.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
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PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
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PR 01-JUL-1998; 98US-0091360P.
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PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
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PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
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PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
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PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.

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PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
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PR   23-JUN-2000; 2000US-0213637P.
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PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.

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Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 76
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ID   ADA10355 standard; protein; 105 AA.
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AC   ADA10355;
XX
DT   06-NOV-2003  (first entry)
XX
DE   Human secreted/transmembrane protein, PRO1186.
XX
KW   PRO; secreted protein; transmembrane protein; human; septic shock;
KW   immunogen.
XX
OS   Homo sapiens.
XX
PN   US2003059831-A1.
XX
PD   27-MAR-2003.
XX
PF   19-NOV-2001; 2001US-00989729.
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PR   02-JUL-1998;   98US-0091478P.
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PR 07-JUL-1998; 98US-0091978P.
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PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
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PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
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PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
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PR 08-NOV-2000; 2000WO-US030952.

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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 77
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ID ADA67643 standard; protein; 105 AA.
XX
AC ADA67643;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003068795-A1.
XX
PD 10-APR-2003.
XX
PF 15-APR-2002; 2002US-00123236.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.

PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
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PR 20-DEC-1999; 99WO-US030999.
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PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
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PR 11-FEB-2000; 2000WO-US003565.
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PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
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PR 14-MAR-2001; 2001US-00808689.
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XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-695926/66.
DR N-PSDB; ADA67642.
XX
PT Novel isolated PRO secreted and transmembrane polypeptides useful for
PT stimulating the release of tumor necrosis factor-alpha from human blood
PT and detecting the presence of a tumor in a mammal.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;

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  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 78
ADB30650
ID   ADB30650 standard; protein; 105 AA.
XX
AC   ADB30650;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003068794-A1.
XX
PD   10-APR-2003.
XX
PF   15-APR-2002; 2002US-00123155.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
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PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
PR   19-JUN-2001; 2001US-00886342.
PR   20-JUN-2001; 2001WO-US019692.
PR   21-JUN-2001; 2001US-00887879.
PR   22-JUN-2001; 2001WO-US020116.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
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DR WPI; 2003-708391/67.
DR N-PSDB; ADB30649.
XX
PT New isolated PRO polypeptides e.g. PRO1801 and PRO1114, useful in the
PT preparation of a medicament for treating a condition responsive to PRO
PT polypeptide, and as therapeutic agents e.g. vaccines.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC the USPTO website at seqdata.uspto.gov.
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 79
ADA85946
ID ADA85946 standard; protein; 105 AA.
XX
AC ADA85946;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003082693-A1.
XX
PD 01-MAY-2003.
XX
PF 22-APR-2002; 2002US-00127843.
XX
PR 05-JUN-2000; 2000US-0209832P.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786907/74.
DR N-PSDB; ADA85945.
XX
PT New PRO nucleic acid, useful for preparing a composition for treating
PT e.g., tumor or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 80
ADA17899
ID ADA17899 standard; protein; 105 AA.
XX
AC ADA17899;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO1186 polypeptide.
XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
KW transgenic; tumour; cytostatic.
XX
OS Homo sapiens.
XX
PN US2003054987-A1.
XX
PD 20-MAR-2003.
XX
PF 14-NOV-2001; 2001US-00990443.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
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PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
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PR 11-JUN-1998; 98US-0088876P.
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PR 16-JUN-1998; 98US-0089440P.
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PR 01-JUL-1998; 98US-0091360P.
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PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
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PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
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PR 04-AUG-1998; 98US-0095325P.
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PR 10-AUG-1998; 98US-0095929P.
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PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.

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PR   17-SEP-1998;   98US-0100858P.
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PR   05-JAN-1999;   99WO-US000106.
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PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   30-MAR-2000; 2000WO-US008439.
PR   15-MAY-2000; 2000WO-US013358.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   23-JUN-2000; 2000US-0213637P.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   07-SEP-2000; 2000US-0230978P.
PR   08-NOV-2000; 2000WO-US030952.

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 81
ADA97158
ID   ADA97158 standard; protein; 105 AA.
XX
AC   ADA97158;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003082705-A1.
XX
PD   01-MAY-2003.
XX
PF   24-APR-2002; 2002US-00131829.
XX
PR   09-DEC-1999;   99US-0170262P.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-755112/71.
DR   N-PSDB; ADA97157.
XX
PT   New PRO nucleic acid, useful for preparing a composition for treating
PT   e.g., tumor or for tissue typing.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
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CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 82
ADA79462
ID   ADA79462 standard; protein; 105 AA.
XX
AC   ADA79462;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003082763-A1.
XX
PD   01-MAY-2003.
XX
PF   17-APR-2002; 2002US-00124818.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
PR   19-JUN-2001; 2001US-00886342.
PR   20-JUN-2001; 2001WO-US019692.
PR   21-JUN-2001; 2001US-00887879.
PR   22-JUN-2001; 2001WO-US020116.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
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PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-755116/71.
DR   N-PSDB; ADA79461.
XX
PT   New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT   in detection and treatment of cancer and in modulating the uptake of
PT   glucose or free fatty acid by skeletal muscle cells or adipocyte cells.
XX
PS   Claim 12; Fig 470; 659pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 83
ADA87601
ID   ADA87601 standard; protein; 105 AA.
XX
AC   ADA87601;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO;
KW   Tumour necrosis factor alpha release; TNF-alpha release;
KW   glucose uptake modulator; FFA uptake modulator;
KW   cell proliferation stimulator; cell differentiation stimulator;
KW   cell differentiation inihibitor; cytokine release stimulator; tumour;
KW   lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW   gene therapy; chromosome identification; chromosome marker.
XX
OS   Homo sapiens.
XX
PN   US2003087345-A1.
XX
PD   08-MAY-2003.
XX
PF   16-APR-2002; 2002US-00123907.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   10-MAR-1999; 2000WO-US006319.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
```

PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786937/74.
DR N-PSDB; ADA87600.
XX
PT New PRO nucleic acid, useful for manufacturing a medicament for
PT diagnosing or treating tumor.
XX
PS Claim 12; Fig 470; 638pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 84
ADB16803
ID ADB16803 standard; protein; 105 AA.
XX
AC ADB16803;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003087349-A1.
XX
PD 08-MAY-2003.
XX
PF 19-APR-2002; 2002US-00125928.
XX
PR 19-JUN-1998; 98US-0089947P.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 02-MAR-2000; 2000WO-US005841.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.

```
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-786940/74.
DR   N-PSDB; ADB16802.
XX
PT   New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT   and for manufacturing a medicament for diagnosing or treating tumor.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 85
ADA28007
ID   ADA28007 standard; protein; 105 AA.
XX
AC   ADA28007;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human secreted/transmembrane protein PRO1186.
XX
KW   PRO; secreted protein; transmembrane protein;
KW   hypertrophy of neonatal heart; angiogenesis;
KW   vascular endothelial growth factor; VEGF-stimulated proliferation;
KW   endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW   rod photoreceptor cell; c-fos induction; adipocyte cell;
KW   chondrocyte differentiation;
KW   pancreatic beta-cell precursor differentiation;
KW   cardiac insufficiency disorder; wound; cancerous tumour;
KW   retinal disorders; loss of sight; retinitis pigmentosum; kidney disorder;
KW   obesity; diabetes; hyperinsulinaemia; hypoinsulinaemia; bone disorder;
KW   cartilage disorder; sports injury; arthritis; cancer; human.
XX
OS   Homo sapiens.
XX
PN   US2003054359-A1.
XX
PD   20-MAR-2003.
XX
PF   14-NOV-2001; 2001US-00990726.
XX
PR   16-JUN-1997;   97US-0049787P.
PR   17-OCT-1997;   97US-0062250P.
PR   05-NOV-1997;   97WO-US020069.
PR   12-NOV-1997;   97US-0065186P.
PR   13-NOV-1997;   97US-0065311P.
PR   24-NOV-1997;   97US-0066770P.
PR   25-FEB-1998;   98US-0075945P.
PR   20-MAR-1998;   98US-0078910P.
PR   28-APR-1998;   98US-0083322P.
PR   07-MAY-1998;   98US-0084600P.
PR   28-MAY-1998;   98US-0087106P.
PR   02-JUN-1998;   98US-0087607P.
PR   02-JUN-1998;   98US-0087609P.
PR   02-JUN-1998;   98US-0087759P.
PR   03-JUN-1998;   98US-0087827P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088025P.
PR   04-JUN-1998;   98US-0088026P.
PR   04-JUN-1998;   98US-0088028P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   04-JUN-1998;   98US-0088033P.
PR   04-JUN-1998;   98US-0088326P.
PR   05-JUN-1998;   98US-0088167P.
PR   05-JUN-1998;   98US-0088202P.
PR   05-JUN-1998;   98US-0088212P.
PR   05-JUN-1998;   98US-0088217P.
PR   09-JUN-1998;   98US-0088655P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088738P.
PR   10-JUN-1998;   98US-0088742P.
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PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088826P.
PR   11-JUN-1998;   98US-0088858P.
PR   11-JUN-1998;   98US-0088861P.
PR   11-JUN-1998;   98US-0088876P.
PR   12-JUN-1998;   98US-0089105P.
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PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089532P.
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PR   17-JUN-1998;   98US-0089598P.
PR   17-JUN-1998;   98US-0089599P.
PR   17-JUN-1998;   98US-0089600P.
PR   17-JUN-1998;   98US-0089653P.
PR   18-JUN-1998;   98US-0089801P.
PR   18-JUN-1998;   98US-0089907P.
PR   18-JUN-1998;   98US-0089908P.
PR   19-JUN-1998;   98US-0089947P.
PR   19-JUN-1998;   98US-0089948P.
PR   19-JUN-1998;   98US-0089952P.
PR   22-JUN-1998;   98US-0090246P.
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PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091360P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
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PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 86
ADA91895
ID ADA91895 standard; protein; 105 AA.
XX
AC ADA91895;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;

```
KW   cell differentiation inihibitor; cytokine release stimulator; tumour;
KW   lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW   cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW   gene therapy; chromosome identification; chromosome marker.
XX
OS   Homo sapiens.
XX
PN   US2003082694-A1.
XX
PD   01-MAY-2003.
XX
PF   22-APR-2002; 2002US-00127845.
XX
PR   03-MAR-2000; 2000US-0187202P.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-786908/74.
DR   N-PSDB; ADA91894.
XX
PT   New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT   or a composition for treating e.g., tumor or for tissue typing.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention describes 305 nucleic acids encoding PRO (secreted and
CC   transmembrane) polypeptides (I). (I) is useful for stimulating the
CC   release of TNF-alpha from human blood, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating the proliferation or differentiation of chondrocyte cells,
CC   for stimulating the proliferation of or gene expression in pericyte
CC   cells, for stimulating the release of proteoglycans from cartilage, for
CC   stimulating the proliferation of inner ear utricular supporting cells,
CC   for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC   the release of a cytokine from PBMC cells, for inhibiting the binding of
CC   A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC   cells, for stimulating proliferation of endothelial cells, for detecting
CC   the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC   prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC   are useful for isolating genomic and cDNA nucleotide sequences or
CC   antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC   in assays to identify other proteins or molecules involved in binding
CC   interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC   and gene mapping, in generation of antisense RNA and DNA, in the
CC   preparation of PRO polypeptide, for generating transgenic animals or
CC   knockout animals which in turn are useful in the development and
CC   screening of therapeutically useful reagents, in gene therapy, for
CC   chromosome identification, as chromosome marker, and for generating
CC   probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC   detecting its expression in specific cells, tissues or serum, and for
CC   affinity purification of PRO from recombinant cell culture or natural
CC   sources. (I) and (II) are useful for tissue typing. This is the amino
CC   acid sequence of a novel human secreted and transmembrane PRO
CC   polypeptide.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 87
ADB14958
ID   ADB14958 standard; protein; 105 AA.
XX
AC   ADB14958;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003087351-A1.
XX
PD   08-MAY-2003.
XX
PF   22-APR-2002; 2002US-00127822.
XX
PR   17-JUN-1998;   98US-0089532P.
PR   02-JUN-1999;   99WO-US012252.
PR   25-AUG-1999;   99US-00380137.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-786942/74.
DR   N-PSDB; ADB14957.
XX
PT   New PRO nucleic acid, useful for manufacturing a medicament for
PT   diagnosing or treating tumor.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
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CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match           100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 88
ADB18919
ID   ADB18919 standard; protein; 105 AA.
XX
AC   ADB18919;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO;
KW   Tumour necrosis factor alpha release; TNF-alpha release;
KW   glucose uptake modulator; FFA uptake modulator;
KW   cell proliferation stimulator; cell differentiation stimulator;
KW   cell differentiation inihibitor; cytokine releas.
XX
OS   Homo sapiens.
XX
PN   US2003073211-A1.
XX
PD   17-APR-2003.
XX
PF   15-APR-2002; 2002US-00123292.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
PR   19-JUN-2001; 2001US-00886342.
PR   20-JUN-2001; 2001WO-US019692.
PR   21-JUN-2001; 2001US-00887879.
PR   22-JUN-2001; 2001WO-US020116.
PR   29-JUN-2001; 2001WO-US021066.
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PR   09-JUL-2001; 2001WO-US021735.
PR   18-JUL-2001; 2001US-00908827.
PR   06-AUG-2001; 2001US-00924419.
PR   09-AUG-2001; 2001US-00927796.
PR   16-AUG-2001; 2001US-00931836.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-695954/66.
DR   N-PSDB; ADB18918.
XX
PT   New isolated nucleic acid and encoded PRO polypeptide, are useful in the
PT   diagnosis and treatment of cancer.
XX
PS   Claim 12; Fig 470; 638pp; English.
XX
CC   The invention describes 305 nucleic acids encoding PRO (secreted and
CC   transmembrane) polypeptides (I). (I) is useful for stimulating the
CC   release of TNF-alpha from human blood, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyt
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 89
ADA94134
ID   ADA94134 standard; protein; 105 AA.
XX
AC   ADA94134;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003077722-A1.
XX
PD   24-APR-2003.
XX
PF   03-MAY-2002; 2002US-00137872.
XX
PR   03-MAR-2000; 2000US-0187202P.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-755077/71.
DR   N-PSDB; ADA94133.
XX
PT   New isolated, secreted and transmembrane PRO nucleic acid, useful for the
PT   diagnosis, prevention and/or treatment of tumors, such as lung, colon,
PT   breast, prostate, rectal, cervical and/or liver tumors.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 90
ADB20030
ID   ADB20030 standard; protein; 105 AA.
XX
AC   ADB20030;
XX
DT   20-NOV-2003  (first entry)
XX
```

DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003082691-A1.
XX
PD 01-MAY-2003.
XX
PF 22-APR-2002; 2002US-00127838.
XX
PR 17-NOV-1998; 98US-0108802P.
PR 01-SEP-1999; 99WO-US020111.
PR 18-OCT-1999; 99US-00403297.
PR 18-FEB-2000; 2000WO-US004342.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-755108/71.
DR N-PSDB; ADB20029.
XX
PT PRO nucleic acid, useful for preparing a composition for treating e.g.,
PT tumor or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 91
ADB13342
ID ADB13342 standard; protein; 105 AA.
XX
AC ADB13342;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003082710-A1.
XX
PD 01-MAY-2003.
XX
PF 16-MAY-2002; 2002US-00147484.
XX
PR 09-DEC-1999; 99US-0170262P.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786913/74.
DR N-PSDB; ADB13341.
XX
PT New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT preparing a composition for treating e.g., tumor, or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in

```
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 92
ABO43383
ID   ABO43383 standard; protein; 105 AA.
XX
AC   ABO43383;
XX
DT   26-SEP-2003  (first entry)
XX
DE   Novel human secreted and transmembrane protein PRO1186.
XX
KW   Human; secreted and transmembrane protein; PRO; gene therapy;
KW   chromosome identification; tissue typing.
XX
OS   Homo sapiens.
XX
PN   US2003044945-A1.
XX
PD   06-MAR-2003.
XX
PF   10-MAY-2002; 2002US-00142419.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
PR   05-JUN-2001; 2001US-00874503.
PR   14-JUN-2001; 2001US-00882636.
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PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-492275/46.
DR N-PSDB; ACD98658.
XX
PT New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention describes an isolated nucleic acid encoding a PRO (secreted
CC and transmembrane) polypeptide. Nucleic acids which encode PRO can be
CC used to generate either transgenic animals or knock-out animals useful in
CC developing and screening of therapeutically useful reagents. The nucleic
CC acids may also be used in gene therapy, in chromosome identification, as
CC chromosome markers, or in generating probes. The PRO polypeptides are
CC useful as molecular markers for protein electrophoresis, and the isolated
CC nucleic acids may be used for recombinantly expressing those markers. The
CC PRO polypeptides and nucleic acids may also be used in tissue typing.
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, and in
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 93
ADA94587
ID ADA94587 standard; protein; 105 AA.
XX
AC ADA94587;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1186.
XX
KW PRO; secreted protein; transmembrane protein;
KW hypertrophy of neonatal heart; angiogenesis;
KW vascular endothelial growth factor; VEGF-stimulated proliferation;
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW c-fos induction; adipocyte cell; chondrocyte differentiation;
KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;
KW cancer; human; colon cancer; lung cancer; breast cancer;
KW rod photoreceptor cell.
XX
OS Homo sapiens.
XX
PN US2003059832-A1.
XX
PD 27-MAR-2003.
XX
PF 15-NOV-2001; 2001US-00997349.
XX
PR 16-JUN-1997; 97US-0049787P.
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PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
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PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
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PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
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PR 11-JUN-1998; 98US-0088876P.
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PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
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PR 24-JUN-1998; 98US-0090445P.

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PR 24-JUN-1998; 98US-0090542P.
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PR 04-AUG-1998; 98US-0095282P.
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PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
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PR 10-AUG-1998; 98US-0095929P.
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PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
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PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 94
ADA74596
ID ADA74596 standard; protein; 105 AA.
XX
AC ADA74596;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.

XX
OS Homo sapiens.
XX
PN US2003068798-A1.
XX
PD 10-APR-2003.
XX
PF 07-MAY-2002; 2002US-00140928.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
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PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
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PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
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PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-625490/59.
DR N-PSDB; ADA74595.
XX
PT Novel secreted and transmembrane PRO polypeptides and polynucleotides
PT encoding them, useful for treating bone disorders, arthritis, heart
PT attack, injuries, tumors, and stimulating release of Tumor Necrosis
PT Factor-alpha from human blood.
XX
PS Claim 12; Fig 470; 659pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating

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CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 95
ADB24829
ID   ADB24829 standard; protein; 105 AA.
XX
AC   ADB24829;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide SEQ ID NO 470.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003077713-A1.
XX
PD   24-APR-2003.
XX
PF   22-APR-2002; 2002US-00127839.
XX
PR   05-JUN-2000; 2000US-0209832P.
PR   01-DEC-2000; 2000WO-US032678.
PR   19-DEC-2001; 2001US-00028072.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Beresini M,  Deforge L,  Desnoyers L,  Filvaroff E,  Gao W;
PI   Gerritsen ME,  Goddard A,  Godowski PJ,  Gurney AL,  Sherwood S;
PI   Smith V,  Stewart TA,  Tumas D,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2003-755068/71.
DR   N-PSDB; ADB24828.
XX
PT   New isolated, secreted and transmembrane PRO polypeptides and nucleic
PT   acids, useful for the diagnosis, prevention and/or treatment of tumors,
PT   such as lung, colon, breast, prostate, rectal, cervical and/or liver
PT   tumors.
XX
PS   Claim 12; Fig 470; 637pp; English.
XX
CC   The invention relates to isolated human PRO polypeptides (secreted and
CC   transmembrane polypeptides) and the polynucleotides encoding them. The
CC   invention also relates to an antibody which specifically binds to a PRO
CC   polypeptide, a method for stimulating the release of tumour necrosis
CC   factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC   proliferation or differentiation of chondrocyte cells and a method for
CC   detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC   colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC   polynucleotides are useful in molecular biology, including uses as
CC   hybridisation probes, in chromosome and gene mapping, in generating
CC   antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC   be used in preparing PRO polypeptides by recombinant techniques and in
CC   generating either transgenic animals or knock-out animals which are
CC   useful in the development and screening of therapeutically useful
CC   reagents. The PRO polypeptides or antibodies are used in preparing a
CC   medicament for treating a condition responsive to the polypeptides or
CC   antibodies, such as tumours, for stimulating and inhibiting proliferation
CC   of human microvascular endothelial cells, for modulating the uptake of
CC   glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC   stimulating differentiation of adipocyte cells, for stimulating
CC   proliferation of or gene expression in pericyte cells, for stimulating
CC   the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC   cells, for inducing endothelial cell tube formation and for treating
CC   various bone and/or cartilage disorders such as sports injuries and
CC   arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC   from cartilage are useful for treating sports-related joint problems,
CC   articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC   polypeptides are also useful for treating various mammalian haemoglobin-
CC   associated disorders such as various thalassaemias and conditions which
CC   may benefit from enhanced local immune system cell infiltration. This
CC   sequence represents a human PRO polypeptide of the invention. Note: The
CC   sequence data for this patent is also available in electronic format from
CC   USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 96
ADA82353
ID   ADA82353 standard; protein; 105 AA.
XX
AC   ADA82353;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
```

XX
OS Homo sapiens.
XX
PN US2003082701-A1.
XX
PD 01-MAY-2003.
XX
PF 23-APR-2002; 2002US-00128686.
XX
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 30-MAR-2000; 2000WO-US008439.
PR 02-JUN-2000; 2000WO-US015264.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-755110/71.
DR N-PSDB; ADA82352.
XX
PT PRO nucleic acid, useful for preparing a composition for treating e.g.,
PT tumor or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db 20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
||||||||||||||||||||||||||
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 97
ADA75316
ID ADA75316 standard; protein; 105 AA.
XX
AC ADA75316;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003073216-A1.
XX
PD 17-APR-2003.
XX
PF 30-MAY-2002; 2002US-00160498.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-765392/72.
DR N-PSDB; ADA75315.
XX
PT New secreted and transmembrane PRO polypeptides useful for stimulating
PT the release of tumor necrosis factor alpha in human blood and detecting
PT the presence of tumor in a mammal.
XX
PS Claim 12; Fig 470; 638pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 105 AA;

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  Query Match             100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 98
ADA85394
ID ADA85394 standard; protein; 105 AA.
XX
AC ADA85394;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.

XX
OS Homo sapiens.
XX
PN US2003082695-A1.
XX
PD 01-MAY-2003.
XX
PF 22-APR-2002; 2002US-00127846.
XX
PR 03-MAR-2000; 2000US-0187202P.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786909/74.
DR N-PSDB; ADA85393.
XX
PT New nucleic acid encoding a PRO polypeptide, useful for preparing a
PT composition for treating e.g. tumor by gene therapy, or for tissue
PT typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
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Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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RESULT 99
ADA84842
ID ADA84842 standard; protein; 105 AA.
XX
AC ADA84842;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inihibitor; cytokine release stimulator; tumour;
KW lung tumoue; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003082708-A1.
XX
PD 01-MAY-2003.
XX
PF 15-MAY-2002; 2002US-00146729.
XX
PR 05-JUN-2000; 2000US-0209832P.
PR 01-DEC-2000; 2000WO-US032678.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-786911/74.
DR N-PSDB; ADA84841.
XX
PT New PRO nucleic acid, useful for preparing a composition for treating
PT e.g. tumor or for tissue typing.
XX
PS Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO

```
CC   polypeptide.
XX
SQ   Sequence 105 AA;

  Query Match            100.0%;  Score 86;  DB 6;  Length 105;
  Best Local Similarity  100.0%;  Pred. No. 3.5e-86;
  Matches   86;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
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Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105


RESULT 100
ADB30098
ID   ADB30098 standard; protein; 105 AA.
XX
AC   ADB30098;
XX
DT   20-NOV-2003  (first entry)
XX
DE   Human PRO polypeptide #235.
XX
KW   Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW   tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW   cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW   liver; microvascular endothelial cell; glucose; FFA;
KW   skeletal muscle cell; adipocyte cell; pericyte cell;
KW   inner ear utricular supporting cell; T-lymphocyte cell;
KW   endothelial cell tube formation; bone disorder; cartilage disorder;
KW   sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW   rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW   immune system cell infiltration.
XX
OS   Homo sapiens.
XX
PN   US2003073214-A1.
XX
PD   17-APR-2003.
XX
PF   17-APR-2002; 2002US-00124822.
XX
PR   31-MAR-1997;   97WO-US005230.
PR   12-JUN-1998;   98WO-US012456.
PR   14-JUL-1998;   98WO-US014552.
PR   28-AUG-1998;   98WO-US017888.
PR   10-SEP-1998;   98WO-US018824.
PR   14-SEP-1998;   98WO-US019093.
PR   14-SEP-1998;   98WO-US019094.
PR   14-SEP-1998;   98WO-US019177.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98WO-US019437.
PR   07-OCT-1998;   98WO-US021141.
PR   29-OCT-1998;   98WO-US022991.
PR   29-OCT-1998;   98WO-US022992.
PR   20-NOV-1998;   98WO-US024855.
PR   01-DEC-1998;   98WO-US025108.
PR   05-JAN-1999;   99WO-US000106.
PR   08-MAR-1999;   99WO-US005028.
PR   10-MAR-1999;   99WO-US005190.
PR   20-APR-1999;   99WO-US008615.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   08-SEP-1999;   99WO-US020594.
PR   13-SEP-1999;   99WO-US020944.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   05-OCT-1999;   99WO-US023089.
PR   29-NOV-1999;   99WO-US028214.
PR   30-NOV-1999;   99WO-US028313.
PR   30-NOV-1999;   99WO-US028409.
PR   01-DEC-1999;   99WO-US028301.
PR   01-DEC-1999;   99WO-US028634.
PR   02-DEC-1999;   99WO-US028551.
PR   02-DEC-1999;   99WO-US028564.
PR   02-DEC-1999;   99WO-US028565.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   20-DEC-1999;   99WO-US030999.
PR   22-DEC-1999;   99WO-US030720.
PR   30-DEC-1999;   99WO-US031243.
PR   30-DEC-1999;   99WO-US031274.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000277.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   01-MAR-2000; 2000WO-US005601.
PR   02-MAR-2000; 2000WO-US005746.
PR   02-MAR-2000; 2000WO-US005841.
PR   10-MAR-2000; 2000WO-US006319.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
PR   21-MAR-2000; 2000WO-US007532.
PR   30-MAR-2000; 2000WO-US008439.
PR   17-MAY-2000; 2000WO-US013705.
PR   22-MAY-2000; 2000WO-US014042.
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   28-JUL-2000; 2000WO-US020710.
PR   11-AUG-2000; 2000WO-US022031.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000US-00747259.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001US-00796498.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   09-MAR-2001; 2001US-00802706.
PR   14-MAR-2001; 2001US-00808689.
PR   22-MAR-2001; 2001US-00816744.
PR   05-APR-2001; 2001US-00828366.
PR   10-MAY-2001; 2001US-00854208.
PR   10-MAY-2001; 2001US-00854280.
PR   18-MAY-2001; 2001US-00860216.
PR   25-MAY-2001; 2001US-00866028.
PR   25-MAY-2001; 2001US-00866034.
PR   25-MAY-2001; 2001WO-US017092.
PR   01-JUN-2001; 2001US-00872035.
PR   01-JUN-2001; 2001WO-US017800.
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PA (GETH) GENENTECH INC.
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XX
PT Novel secreted and transmembrane PRO polypeptides useful for stimulating
PT the release of tumor necrosis factor alpha and detecting the presence of
PT a tumor in a mammal.
XX
PS Claim 12; Fig 470; 638pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC the USPTO website at seqdata.uspto.gov.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFRKRKHHTCP 79

Qy         61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
              ||||||||||||||||||||||||||
Db         80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
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